

List of Sustainability focused courses - 2017 to 2020 - 1st cycle

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
ANT2003	0	Anthropology of the Anthropocene	Anthropology	Undergraduate	From the notion of the Anthropocene, understood both as a new geological era of human origin and as the capacity of humans to modify their own nature, we will analyze the historical foundations, the multidimensional processes and the contemporary mutations of the relations between societies / natures and humans / non-humans. From the erosion of biodiversity to the influence of technosciences, from accelerated urbanization to soil deterioration, from industrial accidents to demographic change, from fossil fuels to the threat to pollination, we will characterize the questions and issues. that this growing influence of human activity on its environment raises without forgetting public debates (e.g. on ecological risks), ethical questions (e.g. the limits of human transformations on nature), controversies (e.g. . aroundclimate skepticism) and the social mobilizations (ie . against global warming) that it arouses around the world.	https://etudier.ugam.ca/cours?sigle=ANT2003&p=6161	Focused	
ASC2041	0	Educational systems, equity and ethnic relations in Quebec	Education and pedagogy	Undergraduate	This course focuses on taking into account the realities related to immigration and ethnic relations within the Quebec education system, with regard to the principles of justice, equity and the right to education. Different dimensions of the education system - policies, services, practices, experiences - from preschool to university, are addressed, based on four general objectives: 1) Understanding the role of education on production and transformation ethnic relationships and boundaries. 2) Analyze the systemic adaptation to diversity, the capacity of institutions to develop equitable and inclusive standards, policies and practices. 3) Develop a critical and systemic analysis to identify inequities / injustices / discriminations in institutional practices and the measures and practices to reverse them. 4) Understand the impacts of factors (social, identity, migratory, institutional) on the educational experience of learners and on living together.	https://etudier.ugam.ca/cours?sigle=ASC2041&p=4975	Focused	
AUT1000	5	Introduction to the Indigenous worlds of Quebec and Canada	Faculty of Human Sciences	Undergraduate	The course, given by an interdisciplinary team, is a general introduction to aboriginal peoples of Quebec and Canada, including Inuit s , American Indians and Métis. It aims to introduce students to the unity and diversity of Aboriginal realities and offers to familiarize themselves with the main concepts of Aboriginal studies. It offers a global vision of historical, sociological, economic, identity, linguistic and cultural aspects while promoting indigenous speech through different mediums (films, conferences, etc.).	https://etudier.ugam.ca/cours?sigle=AUT1000&p=6161	Focused	10
AUT300X	2	Indigenous realities	Faculty of Human Sciences	Undergraduate	Gain a better understanding of one or more issues associated with Indigenous diversity. Develop a critical sense and open-mindedness in the face of the main ethical issues and the current concerns and realities of Aboriginal worlds. To deepen the essential elements for the development of relations and reciprocal exchanges between Aboriginals and non-Aboriginals. Course with variable content which aims to introduce students to knowledge and skills related to understanding, communication and intervention with First Peoples. The exact content of this course is specified in the quarter in which it is given by the professor to whom the course load has been assigned.	https://etudier.ugam.ca/cours?sigle=AUT300X&p=6850	Focused	10
AVM4603	2	Ecology of the gaze: landscape and representation	Visual and media arts	Undergraduate	The objectives of this course are as follows: - explore the various modes of aesthetic and ecological interaction between humans and their environment; - study the relationship between visual and media arts with nature and culture; - explore the landscape as a place of human inscription through its techniques of development, transformation and representation of the world; - experiment with multiple models for integrating issues related to the environment and to the mediums used in contemporary art such as painting, land art, in situ intervention, video, soundscape, film, photography, computer simulation, network art. Theoretical issues raised by landscape practices in classical, modern and contemporary art: critical and historical reflections on the links that unite humans to representations and interactions with their surrounding environment. Develop your ability to question your creative process. Develop and carry out a creative project linking one or more mediums, from its conception to its distribution.	https://etudier.ugam.ca/cours?sigle=AVM4603&ga_search=AVM4603&ga_cat=cours	Focused	
BIA1700	7	Organisms and environment	Biological sciences	Undergraduate	In this unit, students will learn the basic principles of population ecology and the ecology of communities and ecosystems. They will address the themes of resource allocation, population enumeration and dynamics, population control, the effects of biotic and abiotic factors, competition, predator-prey interactions , community structure, succession. ecological, the productivity of ecosystems, food chains, the world's major biomes, and the effects of human disturbances.	https://etudier.ugam.ca/cours?sigle=BIA1700&ga_search=BIA1700&ga_cat=cours	Focused	15

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BIA2600	4	Environmental interaction	Biological sciences	Undergraduate	The objectives of this unit are to enable the student to: - predict the flow of pollutants in organisms and in the terrestrial and aquatic environment; - establish a dose-response relationship and predict the main effects of environmental contaminants on the growth, reproduction and survival of individuals; - assess the impact of biotic and abiotic factors on the population, the community and the ecosystem; - establish cause and effect links in a complex environmental situation; - solve multidisciplinary problems. To this end, the following topics are addressed: - Main classes of toxic agents and distribution of pollutants in the aquatic and terrestrial environment; - Toxicity tests; - Toxicokinetics; - Biotransformation and bioactivation; - Teratogenesis; - Carcinogenesis; - Mutagenesis; - Systematic toxicity; - Normative aspects: regulatory agencies and main laws; - Risk analysis: definition and presentation of the different stages of the determination of the toxic risk related to exposure to toxic substances.	https://etudier.ugam.ca/cours?sigle=BIA2600&ga_search=BIA2600&ga_cat=cours	Focused	15
BIA3530	3	Specialization I in toxicology and environmental health	Biological sciences	Undergraduate	The objective of this specialization is to treat animal and human physiology in a context of integration of the different systems (nervous, hepatic, cardiovascular, pulmonary, gastric, endocrine, muscular, etc.). These systems can be integrated in the context of environmental health.	https://etudier.ugam.ca/cours?sigle=BIA3530&ga_search=BIA3530&ga_cat=cours	Focused	
BIO1003	6	Environment and health	Biological sciences	Undergraduate	Study of the consequences of environmental problems on health. Effects of pollution on the human organism: identification of the main families of aggressors, entry routes and defense and attack mechanisms. Consequences of ecological disasters. Attacks on human health in the workplace. Agencies involved, regulations and sources of information. General course open to a large audience.	https://etudier.ugam.ca/cours?sigle=BIO1003&ga_search=BIO1003&ga_cat=cours	Focused	15
BIO1320	3	The agri-food environment	Biological sciences	Undergraduate	Study of the different aspects of the food industry and their impact on the environment. Land use, production, processing and distribution: description, processes related to these activities and their impacts on the environment. Characterization of pollutants in air, water and soil. Waste control and recycling. Economic aspects.	https://etudier.ugam.ca/cours?sigle=BIO1320&ga_search=BIO1320&ga_cat=cours	Focused	15
BIO1331	3	Biomass valuation	Biological sciences	Undergraduate	Availability, prospects for use and valuation; wood, cutting and sawmill residues, non-commercial trees, specialized plantations; agricultural biomass, waste from livestock and crop or food industry residues; peat; municipal waste. Biochemical transformations such as hydrolysis, aerobic and anaerobic fermentation; thermochemical transformations such as liquefaction, pyrolysis, combustion and gasification. Energy products; synthesis gas, methane, methanol, alcohol-gasoline, steam, gas from gasifiers. The concept of back-up energy: cost, amortization, maintenance and control. Inherent risks. Rational use. Introduction to instruments for measuring efficiency.	https://etudier.ugam.ca/cours?sigle=BIO1331&ga_search=BIO1331&ga_cat=cours	Focused	15
BIO1410	4	Environmental biochemistry and microbiology	Biological sciences	Undergraduate	The course will present a summary of various fundamental aspects of biochemistry and environmental microbiology, as well as the elemental and biochemical composition of living organisms. Among these: 1) functional groups important in biochemistry, 2) molecules of environmental importance, including pollutants and biomarkers, 3) informational and functional macromolecules in the environment: DNA, RNA, proteins, and 4) identification and characterization of populations of microorganisms based on cutting-edge (" - omics ") approaches such as DNA sequencing. Based on this, the course will provide a general overview of the biodiversity of prokaryotic and eukaryotic microorganisms in the biosphere, discuss the structure, function and regulation of microbial communities in diverse habitats, and explore the importance of microorganisms for the functioning of ecosystems and for the biogeochemical cycles of the biosphere. The course will also focus on the connection between microorganisms and human activities, with examples from industry, health and the environment. This course includes practical work.	https://etudier.ugam.ca/cours?sigle=BIO1410&ga_search=BIO1410&ga_cat=cours	Focused	15

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BIO1700	6	Conservation of biodiversity	Biological sciences	Undergraduate	The concept of biodiversity seen at the specific, genetic, ecosystem and cultural level. The nature, importance and distribution of biodiversity. The use and value of biodiversity as food, medicinal and industrial resources. The transformation, reduction and loss of biodiversity. The impact of humans on biodiversity loss. Conservation of biodiversity: in situ and ex situ conservation. Conservation strategies. International conventions relating to the conservation of biodiversity. Notions of biodiversity at the genetic, phenotypic, community and ecosystem level. History of the conservation and protection of species and habitats. Extinctions, past, present and future. The impact of humans. Conservation strategies. International laws and conventions.	https://etudier.ugam.ca/cours?sigle=BIO1700&ga_search=BIO1700&ga_cat=cours	Focused	15
BIO2001	2	Elements of ecotoxicology	Biological sciences	Undergraduate	Acquire the basic concepts in ecotoxicology. Approach themes relating to human and ecosystem health from an interdisciplinary perspective. This course deals with the fundamentals of toxicology: Extent and importance of toxicology; Toxicological evaluation; Dose-response concepts and mathematical transformations (probability, probit units, central tendencies, threshold, low dose extrapolations); Modulation of effects by chemical, physical and biological factors; The impact of pollution on the quality of the environment; Effects of toxic substances on populations and communities (plants and animals); Main classes of toxic substances; Study of specific cases of contamination of ecosystems (DDT, PCBs, dioxins, furans, mercury, ozone and acid precipitation); Quantitative assessment of industrial, agricultural and urban emissions; Distribution, transformation and fate of contaminants in the environment (notions of mass balance, bioaccumulation and persistence); Experimental approaches to demonstrate cause and effect relationships in the environment; Environmental monitoring: sentinel species, biomarkers, bioindicators, bioassays and exposure assessment.	https://etudier.ugam.ca/cours?sigle=BIO2001&ga_search=BIO2001&ga_cat=cours	Focused	
BIO3003	2	Environment and health	Biological sciences	Undergraduate	Differentiate between the concepts of public health and eco-health. Approach themes relating to human and ecosystem health from an interdisciplinary perspective. Study of the consequences of environmental problems on health. Effects of pollution on the human organism: identification of the main families of aggressors, entry routes and defense and attack mechanisms. Consequences of ecological disasters. Attacks on human health in the workplace. Agencies, organizations and stakeholders involved, regulations and sources of information. Notions of eco-health and contrasts between the eco-health approach and the public health approach. Continuum of health deterioration. Precautionary principle. Evolution of issues according to global changes.	https://etudier.ugam.ca/cours?sigle=BIO3003&ga_search=BIO3003&ga_cat=cours	Focused	3
BIO3100	9	General ecology	Biological sciences	Undergraduate	Introduction to the problems of the environment, the ecosystem and the factors that shape it. Energy transfer. The food chain and its trophic levels. Notions of biocenosis: animal and plant communities and their interactions. The major biomes of the globe. The main habitats in Quebec. The action of man on the environment.	https://etudier.ugam.ca/cours?sigle=BIO3100&ga_search=BIO3100&ga_cat=cours	Focused	15
BIO3800	1	Organic production	Biological sciences	Undergraduate	Application of ecological principles to the optimization of animal and plant production in agriculture, forestry and aquaculture. Elements of biotechnology applied to organic production. Energy concepts, trophic levels of energy use. Homeostasis of the production environment and its use in integrated production. Notions of animal and plant physiology applied to organic production used for food.	https://etudier.ugam.ca/cours?sigle=BIO3800&ga_search=BIO3800&ga_cat=cours	Focused	12
		Ecology of populations, communities and ecosystems	Biological sciences	Undergraduate	Acquire general and in-depth notions of applied ecology: Study of the quantitative and qualitative properties of populations; Factors influencing population density; Interactions between populations; Energy transfer and food chains; Study of ecological principles relating to plant and animal communities in terrestrial and aquatic environments; Impact of human activities on these environments.	https://etudier.ugam.ca/cours?sigle=BIO3910&ga_search=BIO3910&ga_cat=cours	Focused	11

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BIO3920	0	Ecological impacts of climate change	Biological sciences	Undergraduate	Understand the implications of climate change with regard to ecological balances. Study of the effects of climate change on the abundance and distribution of animal and plant species in different bioclimatic zones. Notions of desynchronization. Impacts on the growth and reproductive success of organisms. Invasive species and their effects on the structure of communities. Impact on the functioning of terrestrial and aquatic ecosystems present in the main bioclimatic zones of Quebec, from the herbaceous tundra in the north to the deciduous forest in the south. The course includes an introduction to monitoring and follow-up techniques specific to each region and each compartment of environmental systems, the critical analysis of databases and biogeoclimatic models .	https://etudier.ugam.ca/cours?sigle=BIO3920&ga_search=BIO3920&ga_cat=cours	Focused	15
BIO4500	2	Forest ecology	Biological sciences	Undergraduate	In-depth study of the functioning of forest ecosystems, in particular the Quebec forest and its management. Current and historical distribution of the main tree species. The genetic principles of tree populations and selection for forestry. Influence of climatic and edaphic factors. The dynamics of forest ecosystems and the factors that control them. Multidimensional analysis of ecological relationships in forest communities. Ecological classification and forest management. Biological control of forests (phytophages and parasites).	https://etudier.ugam.ca/cours?sigle=BIO4500&ga_search=BIO4500&ga_cat=cours	Focused	15
BIO6511		Elements of ecotoxicology	Biological sciences	Undergraduate	This course aims to make students aware of the problems of environmental quality and environmental contamination. Ways of studying the behavior and effects of pollutants in the environment will also be discussed. The best known examples of environmental contamination will be examined in detail. At the end of the course, the student should know the main categories of contaminants and their effects on sensitive organisms; understand the factors influencing the distribution of contaminants in the environment - why do some pollutants contaminate on a global scale and others on a local scale? and know the experimental approaches required to demonstrate cause and effect relationships in the environment. Effects of toxic substances on plants and animals. History of ecosystem contamination. Major groups of toxic substances: transport and transformation in environmental compartments; pollution of the aquatic environment, the terrestrial environment and the atmosphere. Models of bioaccumulation and persistence in the environment; mechanisms of degradation of toxic substances in the environment. Dose-response curves. Case studies; DDT, PCBs, dioxins, furans, mercury, ozone and acid precipitation. Effects on populations and communities.	https://etudier.ugam.ca/cours?sigle=BIO6511&ga_search=BIO6511&ga_cat=cours	Focused	12
BIO6600	7	Field methods in ecology	Biological sciences	Undergraduate	The objectives of the course are as follows: to enable students to make the link between theory and the fieldwork required of an ecologist; introduce field methods used in ecology; understand how to switch from a question to a sampling mode, and how to analyze the sampling data. Introduction to fieldwork in ecology. The most commonly used methods in aquatic and terrestrial ecology (plant and animal). The relationship between objectives and methods. Assumptions, advantages and disadvantages. Data collection and analysis. Synthesis and communication of results.	https://etudier.ugam.ca/cours?sigle=BIO6600&ga_search=BIO6600&ga_cat=cours	Focused	
BIO6800	0	Arrangement	Biological sciences	Undergraduate	Study of the adjustments made necessary by the activities of the technological society. Definition of planning and the concept of environment. Human demographic pressure and the need for planning and conservation. Human activities and their impact on the environment. Possible arrangements to minimize the negative impacts of these activities on the environment. Planning and environmental protection techniques given in the form of lectures by specialists.	https://etudier.ugam.ca/cours?sigle=BIO6800&ga_search=BIO6800&ga_cat=cours	Focused	13

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CHI1822	6	Chemistry and environment	Chemistry	Undergraduate	The objectives of the course are to apply the concepts of chemistry to the study of the environment; identify the main components of the environment and analyze them; apply and relate the principles of chemistry to examples drawn from the medium; understand the functioning of natural cycles, identify the signs of transformation and the role of humans; identify environmental pollutants; write a technical summary text on an imposed subject. Chemistry, components and major environmental issues. Earth: the elements, soils, natural cycles. Energy: fossil fuels, nuclear, renewable energies. The atmosphere: composition, chemistry, monitoring and analysis. The hydrosphere: water distribution, hydrological cycles, chemical balances, water analyzes and treatments. The biosphere: mineral and plant resources.	https://etudier.ugam.ca/cours?sigle=CHI1822&ga_search=CHI1822&ga_cat=cours	Focused	15
CHI2180	2	Chemical analysis of contaminants in the environment	Chemistry	Undergraduate	Understand the different facets of the cycle of contaminants in the environment. Address analytical aspects related to environmental contaminants. This course presents the instruments and methodologies to identify and quantify contaminants in the environment. Analysis methods to determine the transport kinetics and the fate of contaminants in water, air, soil and living organisms. Risk analyzes for health and the environment. Preparation of samples and use of different instrumental methods such as spectrophotometry, chromatography, chemiluminescence, fluorometry, mass spectrometry and atomic absorption. Chemical speciation of metals, formation of different complexes and degradation products of organic contaminants in the environment. Physicochemical properties and toxicity of metallic and organic contaminants.	https://etudier.ugam.ca/cours?sigle=CHI2180&ga_search=CHI2180&ga_cat=cours	Focused	
CHI2511	4	Energy and materials	Chemistry	Undergraduate	The objective of this course is to present the properties of materials (thermal, electrical, water, against fire, etc.), as well as government standards for the use of materials, the notion of healthy materials, their impacts on the environment (concept of life cycle), and the choice of materials according to certain classification systems (LEED, Eco Logo, etc.). This course allows the acquisition of knowledge on the properties of materials used in the field of energy and energy efficient construction.	https://etudier.ugam.ca/cours?sigle=CHI2511&ga_search=CHI2511&ga_cat=cours	Focused	9
CHI2910	2	Environmental soil chemistry	Chemistry	Undergraduate	Understand the different facets of the contaminant cycle in soils. Address analytical aspects related to environmental contaminants present in soils. This course focuses on the chemical composition and properties of soils. Chemical reactions in soils. Chemical compounds of natural and anthropogenic origin. The transport, transformation and degradation of chemical pollutants present in soils. Alteration of soil development and quality by chemical pollution. Chemical analysis methodologies for the evaluation of polluted land, sanitary landfill sites and contaminated groundwater. Chemical and biochemical processes for soil remediation and security.	https://etudier.ugam.ca/cours?sigle=CHI2910&ga_search=CHI2910&ga_cat=cours	Focused	9
CHI3910	1	Environmental chemistry of the atmosphere	Chemistry	Undergraduate	Understand the different facets of the cycle of chemical compounds in the atmosphere. This course focuses on the chemical composition and properties of the global atmosphere. Photochemical reactions in the atmosphere. The entry of chemical species of natural and anthropogenic origin controlling the production and destruction of ozone as well as the level of atmospheric oxidation. Global budgets for chemical species such as ozone and methane, the sulfur cycle and the production of sulfur aerosols. The effects of aerosols on the climate system.	https://etudier.ugam.ca/cours?sigle=CHI3910&ga_search=CHI3910&ga_cat=cours	Focused	
CHI3920	0	Electrochemical energy	Chemistry	Undergraduate	To learn and understand the main principles related to the production of electrochemical energy. This course deals with electrochemical systems for the production (electrochemical photovoltaic cells) and storage (batteries, supercapacitors) of electrical energy. Principles of operation of systems and their classification. Description of the components and discussion of the thermodynamic and kinetic aspects involved. Introduction to semiconductors, electrolytes, electrical double layer and catalysts. Presentation of their particular characteristics. Conventional and emerging technologies related to these electrochemical systems. Methods for recycling end-of-life components.	https://etudier.ugam.ca/cours?sigle=CHI3920&ga_search=CHI3920&ga_cat=cours	Focused	9

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CHI7560	0	Environmental toxicology	Chemistry	Undergraduate	This course deals with the importance of toxicology in protecting human health and that of ecosystem organisms from environmental contaminants. It introduces the concepts of classical toxicology, which studies the response of individual organisms, and the use of experimental and epidemiological data in the assessment of risk to human health. The course develops the concepts specific to the study of the effects of toxicants in ecosystems where the impact on populations of organisms must be considered. He discusses the ecological risk assessment posed by environmental toxins.	https://etudier.ugam.ca/cours?sigle=CHI7560&ga_search=CHI7560&ga_cat=cours	Focused	8
COM1136	1	Human ecology and communication laboratory	Management sciences	Undergraduate	Experiential learning of the ecological paradigm aiming at a reflexive approach on the intervenor's value system and a decystallization of his perceptual and cognitive habits. Scenarios in natural contexts favoring an integration of theoretical elements from the sciences of communication and human ecology as well as feedback on the attitudinal grids of the participants. Cognitive transfers to larger social units likely to benefit from a green intervention strategy.	https://etudier.ugam.ca/cours?sigle=COM1136&ga_search=COM1136&ga_cat=cours	Focused	8
DES1620	7	Introduction to environmental design	Management sciences	Undergraduate	Course aimed at introducing students to environmental design as a fundamental training and as an approach to the design project integrating the scales of the object, the building and the urban space. Studies of historical sources and contemporary manifestations of environmental design and clarification of the main ideas, positions and realities which allow to discover their potentialities at the theoretical and practical levels. Exercises aimed at a basic understanding of environmental design as an integrated approach and familiarization with its outstanding manifestations from Antiquity to modernity.	https://etudier.ugam.ca/cours?sigle=DES1620&ga_search=DES1620&ga_cat=cours	Focused	
DES5574	3	Construction and environment	Environmental sciences	Undergraduate	Course aiming to deepen the knowledge of components, assemblies and construction systems specific to our climatic conditions, in a spirit of sustainable development. Allow students to examine construction details and materials related to tectonic and environmental aspects related to the architectural project. Case studies and exercises focused on the application of technical knowledge and the resolution of effective construction systems.	https://etudier.ugam.ca/cours?sigle=DES5574&ga_search=DES5574&ga_cat=cours	Focused	9
DES5575	0	Manufacturing and environment	Environmental sciences	Undergraduate	Course aimed at enabling students to acquire knowledge of materials and industrial techniques for transforming these materials from an environmental perspective, therefore from accessibility and energy and environmental impact to the potential for recycling. Description of the environmental impacts of materials generally used such as wood, metals, ceramics, glasses, fibers, plastics and composites and the energy consumed in the techniques of production, transformation, assembly and disassembly in industrial manufacturing. Study of life cycle assessment methods, and examples demonstrating the application of this knowledge to shaping and construction.	https://etudier.ugam.ca/cours?sigle=DES5575&ga_search=DES5575&ga_cat=cours	Focused	9
DES6620	6	Theories and practices of environmental design: challenges and perspectives	Environmental sciences	Undergraduate	Course aiming to allow students to articulate the design project to the reflective and critical framework of environmental design. Analysis of different positions marking contemporary production in the fields of industrial design, architecture and urban design with regard to the particular approach to environmental design. Development of a critical essay promoting the development of a reflection on the environmental design project and on ethical questions related to its possibilities for improving material and spatial culture.	https://etudier.ugam.ca/cours?sigle=DES6620&ga_search=DES6620&ga_cat=cours	Focused	

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DSR2010	85	Corporate social responsibility	Strategy, social and environmental responsibility	Undergraduate	This course aims to raise awareness of the multiplicity and importance of social pressures exerted on companies and to expose their main characteristics so that the student can better understand the dynamics of the behavior of companies. agents who intervene within the environment of the company. Thanks to these skills, the student will be able to develop a reading of the business environment useful in a management framework, but also a critical look at the changing relationships between economy, business and society. . The success and even the legitimacy of the contemporary company depend more and more on its capacity to satisfy a growing number of non-market constraints, but also on its capacity to anticipate them by taking initiatives likely to meet the expectations of the various actors. with whom it interacts and to the aspirations of society in general. It is the analysis of this dynamic which constitutes the framework of the course. First, the course presents the emergence and co - dependent evolution of business and market society, up to the current stage of economic globalization and the domination of multinational companies. The development of the discourse and practices of corporate social responsibility as a device for corporate self-regulation is then analyzed against the backdrop of the erosion of the regulatory powers of national states. The link between social responsibility and sustainable development is then established, before studying the main responsible management tools and situating the issue of managerial ethics within this framework. Finally, the analysis of contemporary issues makes it possible to train the student in the analysis of complex situations where the company is simultaneously confronted with economic problems and socio-political problems. The course is divided into two main segments, the teaching strategy of which differs significantly. The first part of the course, which focuses on understanding the socio-economic and socio-political context of the company, is mainly based on lectures as well as class discussions requiring prior readings. The second part of the course is devoted to the exploration and analysis of specific issues and revolves around presentations designed and led by predetermined groups of students.	https://etudier.ugam.ca/cours?sigle=DSR2010&ga_search=DSR2010&ga_cat=cours	Focused	12
ECO3471	5	Environmental economics	Economic science	Undergraduate	The objective of this course is the transmission of basic knowledge, theoretical and practical, in environmental economics and the development of analytical skills in this field of application of economics. Certain individual behaviors can have harmful external effects. This is the case with pollution and the misuse of a common natural resource. In this course, we construct simple economic incentive mechanisms that allow a society to achieve an optimal level of well-being by eliminating these externalities. We look at the problems of air and water pollution, the management of household and industrial waste, the destruction of forests and overfishing. We also study the problems of management of renewable natural resources and we tackle questions of ethics related to economic calculation.	https://etudier.ugam.ca/cours?sigle=ECO3471&ga_search=ECO3471&ga_cat=cours	Focused	8
ECO4471	0	Economics of the environment and natural resources	Economic science	Undergraduate	The objective of this course is the transmission of basic knowledge, theoretical and practical, in the economics of the environment and natural resources. It aims to develop analytical skills to take a critical look at the emergence of environmental issues and their management by means of public policies. The course focuses on the concept of externality and the failures in terms of economic efficiency that it generates. This concept is applied to a wide variety of environmental issues and natural resource management. The general approach is rooted in microeconomic theory.	https://etudier.ugam.ca/cours?sigle=ECO4471&ga_search=ECO4471&ga_cat=cours	Focused	8
EUT1071	7	Ecological dimensions of the city	Urban and tourism studies	Undergraduate	This course aims to make the student able to: identify in the ecological problems of society, those which challenge town planners; identify the ecological issues relating to the practice of town planning; analyze the impacts of eco-development on urban form; understand the links between urban planning and the solution of environmental problems at the municipal level; identify the different analytical approaches and methods relevant to ecology and develop a critical body in the face of these approaches; develop an intervention strategy on urban soil taking into account the environmental impacts. Development laws and pollution problems; Ecosystems, human activities and land use; The main intervention approaches; Development techniques with a view to minimizing impacts on ecosystems; The politico-legal framework in Quebec and elsewhere; Eco-development and energy conservation; Techniques for identifying and evaluating environmental impacts; Inventory of elements; Cumulative impacts; The environmental assessment process.	https://etudier.ugam.ca/cours?sigle=EUT1071&ga_search=EUT1071&ga_cat=cours	Focused	11

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FIRST CYCLE COURSE								
EUT1172	9	Sustainable development and management	Geography	Undergraduate	This course aims to develop in the student the knowledge and skills necessary to integrate the principles of sustainable development into the management of public and private organizations. More specifically, the student will be able to understand the links between economic development and major contemporary environmental and social issues, know the principles of sustainable development and their application in the context of public policies leading to sustainable economic development, and discover different strategies and green management practices. The course addresses in particular environmental problems and the history of the concept, the concept of externalities, intervention approaches and principles, the main sustainability indicators, local, regional and global implications, urban planning and land management. , green profitability and sustainable management practices associated with voluntary standards, laws or policies, environmental industry and business opportunities related to sustainable development. The course also addresses corporate social responsibility in a governance context, including stakeholder theory.	https://etudier.ugam.ca/cours?sigle=EUT1172&ga_search=EUT1172&ga_cat=cours	Focused	4
GEO1110	5	Environmental risks and issues	Geography	Undergraduate	This course deals with environmental risks and issues as well as their management by human societies. Definition of the main concepts relating to the study of risk: notions of hazards, environmental issues, vulnerability and resilience. Notions of natural variability and extreme events. Study of risk and issues in a multiscalar spatio-temporal framework from a multidisciplinary perspective. Description of the main hazards of the geosphere, the hydrosphere, the atmosphere, the biosphere, as well as the anthroposphere. Study of the issues raised by these hazards as well as measures and arrangements aimed at reducing the intensity and frequency of hazards or increasing the safety and resilience of populations. Role of local and international actors in risk management and territorial planning. Review of the nature of the powers of intervention and the tools to react to the risks and issues: legislative instruments, consultations and public hearings, impact assessment, etc.	https://etudier.ugam.ca/cours?sigle=GEO1110&ga_search=GEO1110&ga_cat=cours	Focused	13
GEO1120	3	Geography, environment and natural risks	Geography	Undergraduate	This course first defines the notion of natural risk by considering that thermal, kinetic, water, etc. excesses only become "risks" when they impose nuisances on human societies. The course analyzes the two types of disturbances associated with the concept of risk: natural disturbances and anthropogenic disturbances. Disturbances resulting from the legitimate domestication of natural environments by man, and contemporary pollution that "responsible" choices could have avoided, are also distinguished. To develop the geographic skills of their professional profile, students are required to examine, in particular, various types of at-risk territories as well as the main challenges associated with their development and protection; the measures and regulations that can be implemented to ensure the safety of human populations and to limit the damage associated with natural disasters; the human and financial costs of these disasters; notions of sustainable development, conservation and natural heritage.	https://etudier.ugam.ca/cours?sigle=GEO1120&ga_search=GEO1120&ga_cat=cours	Focused	13
GEO1082	4	Biogeography	Geography	Undergraduate	This course aims at the acquisition of basic knowledge on the dynamic factors which influence the organization of the plants of the Globe according to different levels of perception. Understanding the natural landscape is approached using an ecosystem approach. The course first addresses the notions of scale as well as the methodology of the ecosystem approach. The following are then studied: - the general organization of the biosphere and the distribution of large bioclimatic zones; - the biotic and abiotic factors of the environment and their action on plants; - notions of pedogenesis; - the role of climate in the distribution of living beings; - historical biogeography; - the structure and organization of stands and biocenoses; - the ecology of plant populations; - plant strategy; - stages of ecological succession; - stability and disturbance of balance; - the nature and functioning of the different plant formations of the Globe and the environmental pressures exerted on them.	https://etudier.ugam.ca/cours?sigle=GEO1082&ga_search=GEO1082&ga_cat=cours	Focused	15

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
GEO3062	5	The global climate system	Geography	Undergraduate	This course aims to provide the basic knowledge for the understanding of atmospheric, climatic, and environmental phenomena. It specifies the impact of human activities on climate change, and extreme physical phenomena. This course allows you to: analyze the different components of the global climate system: the atmosphere, the hydrosphere, the geosphere and their interactions; to specify the characteristics and the role of the components of the global climate system (approach, evaluation, measurement, variability), short, medium and long term trends; to understand the functioning of the climate system and the regional distribution of climates and to grasp the impacts of human activities on climatic components and their consequences: melting sea ice and glaciers, the greenhouse effect, the ozone layer, tornadoes, acid rain, hurricanes, desertification, downpours.	https://etudier.ugam.ca/cours?sigle=GEO3062&ga_search=GEO3062&ga_cat=cours	Focused	13
GEO3081	0	Biogeography	Geography	Undergraduate	This course aims at the acquisition of basic knowledge on the dynamic factors which influence the organization of the plants of the Globe according to different levels of perception. Understanding the natural landscape is approached using an ecosystem approach. The course first addresses the notions of scale as well as the methodology of the ecosystem approach. The following are then studied: The general organization of the biosphere and the distribution of large bioclimatic zones. The biotic and abiotic factors of the environment and their action on plants; notions of pedogenesis are integrated into it. The role of climate in the distribution of living beings. Historical biogeography. The structure and organization of stands and biocenoses. The ecology of plant populations; plant strategy; stages of ecological succession, stability and disturbance of equilibrium. The nature and functioning of the different plant formations of the Globe and the environmental pressures exerted on them.	https://etudier.ugam.ca/cours?sigle=GEO3081&ga_search=GEO3081&ga_cat=cours	Focused	15
GEO4062	1	Hydroclimatology and water resources	Geography	Undergraduate	The objective of this course is to study the different components of the hydrological cycle, and to evaluate the hydroclimatic parameters applied to the watershed for the development and management of the resource. Assessment of water resources in relation to the various natural and modified environments (forest, agricultural, urbanized) and in saturated and unsaturated zones. Analysis of the impacts of climate change and human activities on extreme hydrological phenomena. Resource management scenarios in accordance with sustainable development.	https://etudier.ugam.ca/cours?sigle=GEO4062&ga_search=GEO4062&ga_cat=cours	Focused	14
GEO4075	0	Introduction to bioclimatology	Geography	Undergraduate	The objective of this course is to demonstrate the importance of the interrelationships between the biophysical environment and the climate. Methods of climatology. Global climate classifications. Study of the atmosphere, radiation and heat balance. The role of climate in ecological diversity. Notions of biocenosis and ecosystem. The place of man in ecosystems and his relationship with the environment.	https://etudier.ugam.ca/cours?sigle=GEO4075&ga_search=GEO4075&ga_cat=cours	Focused	13
GEO4200	2	Ethnicity and geographic issues	Geography	Undergraduate	This course deals with the major issues - political, legal, economic, spatial, social, cultural - associated with ethnicity and ethnocultural relations. It aims to develop the intellectual and civic capacity to understand the ethnic question from a geographical point of view. After having retraced the evolution of the field of ethnic and interethnic studies, the course focuses on the specificities of geographic analysis in terms of ethnicity. The following issues are discussed: the conceptual and empirical relationships between ethnicity, religious group, national minority and indigenous people; the different types of socio-spatial segregation and integration, as well as the various forms of appropriation of urban space by cultural communities; racism and other forms of discrimination; intra-ethnic relations; ethnocultural identity; the role of the school as a place of integration. The course finally emphasizes the changing characteristics of ethnocultural Quebec and the issues that were associated with it in the past and which are still associated with it today; he thus examines subjects such as the role of language and the Quebec policy of interculturalism, in contrast to Canadian multiculturalism and the many other integration policies currently in force elsewhere in the world.	https://etudier.ugam.ca/cours?sigle=GEO4200&p=4975	Focused	10

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FIRST CYCLE COURSE								
GEO4220	0	Indigenous territorialities and intercultural issues	Geography	Undergraduate	This course aims to develop the intellectual and civic capacity to understand indigenous territorialities and the underlying intercultural issues from a geographical point of view. It seeks to increase awareness of the challenges and territorial issues of indigenous peoples.	https://etudier.ugam.ca/cours?sigle=GEO4220&p=6850	Focused	
GEO4400	3	Gender, territory and development	Geography	Undergraduate	The objective of this course is to enrich the understanding of the organization of the world space by integrating the dimensions of gender and sexual orientation. The geographic perspective, gender studies and development policies are brought together to inform reflection and action in international development. The content addresses the main themes of the gender, territory and development relationship, including: space and health (eg AIDS); sex tourism and large global prostitution networks; microcredit and local development; urban policies and practices (eg safety; prevention against risks of various types); access to resources and redistribution (eg access to land and water); international solidarity networks and decision-making power. First, the spatial realities of difference, inequality, oppression and sexual exploitation are presented and analyzed in specific territorial contexts. Then, using case studies, various types of discourses and practices are compared, locally, regionally and globally.		Focused	10
GEO5041	3	International development and management of biophysical resources	Geography	Undergraduate	This course aims to develop a systemic approach to major environmental issues related to biophysical resources in developing countries in the context of globalization and international development. This course analyzes the bioclimatological, morphopedological, hydrological and ecological resources of tropical regions which pose particular problems for planning and development. It specifies the particular problems for the development of these regions by working on the approach of some of the environmental problems specific to these regions: deforestation, desertification, salinization, waterproofing, climate change, environmental pollution for example. This course offers strategies for the restoration, conservation and sustainable use of resources not only physical but also relating to international support and assistance. Case studies from particularly vulnerable regions.	https://etudier.ugam.ca/cours?sigle=GEO5041&ga_search=GEO5041&ga_cat=cours	Focused	13
GEO5082	4	Ecosystem dynamics	Geography	Undergraduate	This course aims to acquire specific knowledge on the different processes that govern the dynamics of natural ecosystems and more particularly those of Quebec. The course first presents a reminder of the general characteristics of ecosystems: origin and evolution of the ecosystem concept. The following are then studied: Energy flows and nutrient cycles. Links between species and ecosystems: specific diversity, functioning and dynamics of ecosystems. Levels of perception (microecosystem vs megaecosystem). Quebec's natural ecosystems: northern ecosystem: tundra and taiga; forest ecosystem: boreal and temperate forest; peat ecosystem: ombrotrophic peatland and minerotrophic peatland; coastal ecosystem: fresh water, brackish water and salt water; aquatic ecosystem (lake and marine). The main factors of natural and anthropogenic disturbance of ecosystems. The effects of climate change on ecosystems.	https://etudier.ugam.ca/cours?sigle=GEO5082&ga_search=GEO5082&ga_cat=cours	Focused	13
GEO5502	2	Geographical analysis and environmental impact studies	Geography	Undergraduate	The objectives of this course are to familiarize students with the processes, procedures and methods of evaluating the impacts of projects on the environment (in the broad sense, ie with its biophysical, social, cultural and territorial components). Awareness of the role of environmental impact studies (EIA) in today's society: project evaluation, diversity of workplaces, levels of perception. Links between EIAs and environmental assessment, integrated resource and land management. Introduction to techniques for evaluating the impacts of projects: spatial, social, cultural, economic and biophysical impacts, cumulative impacts. Review of public participation processes: mediation, public hearings. Mode of management of environmental conflicts. Presentation of the current provincial and federal legal frameworks. Importance of environmental monitoring. Openness to environmental assessment in urban areas. Theoretical and practical learning from case studies.	https://etudier.ugam.ca/cours?sigle=GEO5502&ga_search=GEO5502&ga_cat=cours	Focused	11

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
GEO6363	4	Natural hazards and planning	Geography	Undergraduate	This course aims to prepare the students for the analysis, the evaluation and the intervention concerning the biophysical components and constraints of the territory for the development. Definition of the terms hazard, vulnerability, risk and disaster. Critical analysis of the spatial and temporal risk repair, mapping techniques, assessment reports and commissions of inquiry. Notion of resilience, challenges and synergy effect. Legal framework of risks, management and prevention policies, zoning laws and regulations, development and civil protection plans. Concept of governance, stakeholder play and civic responsibility. Application of static methods, multicriteria and mapping of natural risks. Choice and diversity of geotechnical installations and solutions. Case studies applied to slope stabilization in Quebec and elsewhere.	https://etudier.ugam.ca/cours?sigle=GEO6363&ga_search=GEO6363&ga_cat=cours	Focused	11
HIS4752	1	History of the environment and ecology	Story	Undergraduate	Introductory course to the history of transformations produced by human activity on the environment and its physical and biological components. The use of fire, agriculture and deforestation since the Neolithic era. Awakening to the problem of urban and industrial pollution in the 16th and 17th centuries. The great voyages of discovery, the microbial unification of the world and " biological imperialism ". Environmental control technologies, public health and the population explosion. From the economy and the police of nature to ecology. Contemporary environmentalism.	https://etudier.ugam.ca/cours?sigle=HIS4752&p=4116	Focused	8
JUR1008	1	Law, health and environment	Legal Sciences	Undergraduate	Study and analysis of the law relating to the impact of technologies on health. The historical development of laws on public hygiene and workers' health. Legal control of industrial pollution: air, water, noise. Management of toxic waste. Occupational health and safety. Compensation for pollution victims. Prevention and repair of damage caused by disasters (nuclear accidents, earthquakes, toxic products), in national and international law. Scientific evidence to support civil and criminal remedies.	https://etudier.ugam.ca/cours?sigle=JUR1008&ga_search=JUR1008&ga_cat=cours	Focused	8
JUR1023	4	Environmental Law	Legal Sciences	Undergraduate	Study, from files, of legal aspects related to various environmental issues: acid precipitation, hazardous waste. Review of civil and criminal remedies, public hearing procedures and mechanisms for citizen consultation and participation. Analysis of the legal means of protection and development of various environments: heritage, natural spaces, agricultural land, working environment. Main texts of international law.	https://etudier.ugam.ca/cours?sigle=JUR1023&ga_search=JUR1023&ga_cat=cours	Focused	13
JUR1056	3	Law and Indigenous Peoples	Legal Sciences	Undergraduate	This course aims to introduce the student to the problematic of relations between indigenous people and peoples and state law. The course will examine the history of the relationship between the Canadian and Quebec states and Aboriginal peoples (First Nations, Métis and Inuit) and the evolution of the existing legal framework. On the one hand, we will discuss the concepts of aboriginal title and aboriginal and treaty rights as well as land claims processes in the light of national and international law (and in particular, the United Nations Declaration on the Rights of Indigenous Peoples.). On the other hand, the course will seek to situate the experience of Indigenous people and peoples in relation to the legal systems and legislation of Quebec and Canada: history of colonialism, including the aftermath of residential schools, judicialization of social problems affecting indigenous peoples, social constructions of the vulnerability of indigenous populations (and in particular, indigenous women), impact of the reserve system on the well-being and development of indigenous communities, etc. The course will introduce the student to issues related to Indigenous legal traditions, intercultural communication and conflict resolution in Indigenous settings.	https://etudier.ugam.ca/cours?sigle=JUR1056&p=6850	Focused	11
JUR1071	3	Law, racism and discrimination	Legal Sciences	Undergraduate	Study of legal approaches to discrimination and racism. Analysis and distinction of these concepts at the legal level. Review of legislation offering protection against discrimination and racism: Canadian and Quebec Charters of Rights and Freedoms, Canadian Bill of Rights, specialized legislation eliminating discriminatory effects. Treatment and condemnation of racism in criminal law and international law. Remedial measures provided for by law and according to the principles of civil liability: compensation and positive discrimination.	https://etudier.ugam.ca/cours?sigle=JUR1071&p=4975	Focused	10

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FIRST CYCLE COURSE								
JUR6526	0	Women and law	Legal Sciences	Undergraduate	This course analyzes the reproduction of sex and gender relations in the national and international legal sphere, both with regard to the enunciation of legal rules and their interpretation. To this end, it incorporates different feminist legal theories of the law into the review of court decisions and the rules of the administration of justice. In addition, this course provides a critical perspective on the various legal and judicial strategies aimed at achieving the achievement of gender equality. The course favors a thematic approach intended in particular to explore the following issues: women and work; women and family; women and physical and psychological integrity; women and social protection; women and taxation and women and international law. At the end of this course, the student will know how to use a critical feminist perspective in order to appreciate the legal rules which affect the daily lives of women.	https://etudier.ugam.ca/cours?sigle=JUR6526&p=4014	Focused	5
JUR6550	4	Environmental Law	Legal Sciences	Undergraduate	The objective of this course is to familiarize the student with the sources and problems of environmental law, in the perspective of the practice of law in this field. Sources and issues of environmental law. Legal means for controlling pollution, managing collective assets and protecting public health. Analysis of legal solutions to environmental problems posed by toxic waste, acid precipitation, oil transport, nuclear energy. The contributions of comparative law and international environmental law. The different legal mechanisms for information, consultation and participation of citizens concerning environmental risks. Civil and criminal remedies for pollution victims.	https://etudier.ugam.ca/cours?sigle=JUR6550&ga_search=JUR6550&ga_cat=cours	Focused	13
JUR6551	0	Environmental Law	Legal Sciences	Undergraduate	The objective of this course is for the student to master the sources and problems of environmental law, mainly that in force in Quebec. More specifically, the course addresses the following content: sharing of constitutional competences in environmental matters; the right to sustainable development as well as the right to a healthy environment as a fundamental human right; mechanisms for authorizing and monitoring projects as well as those for informing and participating in citizens; administrative and judicial remedies in matters of civil and criminal liability of the polluter; municipal powers in this area and legal framework specific to certain resources or environmental issues. At the end of this course, the student will understand the role, the limits as well as the potentialities of law in the current ecological crisis.	https://etudier.ugam.ca/cours?sigle=JUR6551&p=8308	Focused	16
JUR6630	2	International and comparative environmental law	Legal Sciences	Undergraduate	The objective of the course is to carry out a comparative analysis of international law and different national environmental laws. Comparative analysis of international rights and different national environmental rights: development, common characteristics, oppositions, general trends. The main elements of international environmental law, European community law, Canadian-American law and certain national laws such as those of France, the United States and Canada. Legal responses to international problems such as the protection of the ozone layer, the control of transboundary pollution and toxic waste, the management of shared resources. The answers provided by international and comparative law to the problems posed by changes on a global scale.	https://etudier.ugam.ca/cours?sigle=JUR6630&ga_search=JUR6630&ga_cat=cours	Focused	16
JUR6631	0	International environmental law	Legal Sciences	Undergraduate	The objective of this course is for the student to master the role and the particular mechanisms of international law in matters of environmental protection. More specifically, the course addresses the following content: evolution, sources, and principles of international environmental law; role of international environmental law in taking into account the relationships between economic development, environmental protection and human well-being; regulation of transboundary pollution, international responsibility of States for environmental damage and a regulatory framework relating to certain global environmental problems, in particular those related to climate change, the protection of biodiversity and North-South relations. At the end of this course, the student will grasp the particularities of the norms and institutions of international environmental law, while being able to make a critical analysis.	https://etudier.ugam.ca/cours?sigle=JUR6631&ga_search=JUR6631&ga_cat=cours	Focused	13

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
MOR4140	0	Environmental and development ethics	Education and pedagogy / Environmental sciences	Undergraduate	This course aims to determine in what sense the confrontation between the requirements of socio-economic development and the needs of the safeguard of the bio-geo-chemical environment involves fundamental ethical questions, to study in an informed and critical way the main contemporary currents which bring some answers to these questions. - Object and method of ethics as a science of manners . - Theoretical and applied ethics. - Ethics of conviction and responsibility. - Societal and environmental ethics. - The facts: economic development and degradation of ecosystems. - Ethical questions: human problems raised by these facts; human solutions they demand. - Objectives to aim for and means to implement . - The ultimate foundations of an ethics of the environment and sustainable development.	https://etudier.ugam.ca/cours?sigle=MOR4140&ga_search=MOR4140&ga_cat=cours	Focused	3
ORH2202	12	Managing diversity: national and international perspectives	Organization and human resources	Undergraduate	This course provides knowledge on the impacts of demographic diversity in organizations and the internationalization of companies on human resource management and labor relations practices; to understand the implication of the various theories and models in diversity management and international human resources management; to develop knowledge and skills in the management of local and international diversity that allow problem solving and decision making that contribute to the success of the organization and respect for its members. This course studies issues relating to the management of workforce diversity and its organizational issues in national and international contexts. Diversity is defined through characteristics such as gender, ethnicity, age, physical condition, religious beliefs, etc. The course offers a critical examination of the different approaches and theories on diversity management, organizational demography and international human resources management, through the policies and practices of human resources management and resulting labor relations. . It examines in particular the methods of diagnostic analysis and evaluation of diversity management programs and aims to understand the impact of cultures on human resource management practices in multinational companies. People participating in this course will learn how to manage in companies that face the challenges of international integration and local adaptation through the management of expatriates and local employees, organizational learning, and other policies and human resources and labor relations management practices: - diversity management, international human resources management, equal access programs; - evaluation of these programs; - impacts of organizational demography, cultures and management, management of expatriates.	https://etudier.ugam.ca/cours?sigle=ORH2202&p=4975	Focused	8
PHI2027	2	Indigenous Philosophy and Issues	Philosophy	Undergraduate	Study of indigenous issues through the prism of moral, political and social philosophy. On the one hand, we will focus on the status and perception of indigenous peoples and lands as well as colonialism in the history of modern philosophy, through the study of authors such as Vitoria, Pufendorf, Grotius , Vattel, Locke, Kant, and Mill. On the other hand, we will focus on the current philosophical issues raised by the situation and indigenous claims, in particular through the study of the following themes: territorial rights, minority rights, negotiation of treaties, social recognition. , distributive justice, reparations, gender and race issues.	https://etudier.ugam.ca/cours?sigle=PHI2027&p=6850	Focused	10
PHI3519	1	Environmental philosophy	Philosophy	Undergraduate	Study of philosophical questions raised by the environment and environmental sciences. Based on the study of texts resulting from contemporary philosophical debates, this course pursues a double questioning: (1) an ethical questioning on the environment, on its intrinsic or instrumental value, on the justification of conservation policies , which will make it possible to tackle the main ethical theories of the environment (such as deep ecology, biocentrism, ecocentrism or even political ecology); and (2) an epistemological questioning on environmental sciences, with in particular a reflection on biodiversity, its definition, its measurement, but also on ecology and the role of formal models in this science.	https://etudier.ugam.ca/cours?sigle=PHI3519&ga_search=PHI3519&ga_cat=cours	Focused	
PHI4030	3	Applied ethics	Philosophy	Undergraduate	Application of moral theories to specific problems in the private and public sphere. The course may focus on issues related to the evolution of law and technology, sexual ethics (pornography, prostitution), animal ethics (animal rights), environmental ethics (climate change), business ethics (corporate social responsibility), consumer ethics (fair trade and sustainable development) and professional ethics (professional ethics).	https://etudier.ugam.ca/cours?sigle=PHI4030&p=8384	Focused	

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FIRST CYCLE COURSE								
PHI4050	2	Ethics of international relations	Philosophy	Undergraduate	This course aims to develop a philosophical reflection on ethical issues related to contemporary debates on democracy, human rights, state sovereignty and distributive justice in the context of a new international order. These debates will be approached from the study of a certain number of problems: internal and external sovereignty of States; immigration and the right to asylum; cultural identity, pluralism and tolerance; public reason and cultural diversity; international sharing of natural resources; global environment and state responsibility; hierarchical societies and liberal societies.	https://etudier.ugam.ca/cours?sigle=PHI4050&p=8384	Focused	10
PHI4052	1	Problems of economic and social ethics	Philosophy	Undergraduate	The current debates around distributive justice will be approached from the study of problems which directly concern public management: for example, the question of "orphan" clauses and intergenerational justice, the legitimacy of the unconditional universal allowance; ethical issues raised by public management of health care in a market economy; the moral justifiability of the progressive income tax; the merits of social justice policies targeting the most disadvantaged as a priority. Certain ethical problems raised by public management in a situation of uncertainty will also be discussed, for example: the debate around the "precautionary principle".	https://etudier.ugam.ca/cours?sigle=PHI4052&p=8384	Focused	10
PHY1661	3	Energy and environment	Science	Undergraduate	This course presents the energy-environment relationship and its consequences on the environment and human health. Environmental impacts of different energy resources (environmental impact studies related to energy). Concept of life cycle and ecological footprint. This course aims to acquire a theoretical basis of the concept of environmental assessment related to the field of energy.	https://etudier.ugam.ca/cours?sigle=PHY1661&ga_search=PHY1661&ga_cat=cours	Focused	9
PHY1741	3	Technological fields I	Science	Undergraduate	The objective of this course is to describe the state of research and development of different energy resources: hydroelectricity, transport of electricity, nuclear (including micro-power plants), fossil energies, new clean coal-fired power stations and capture of gas. carbon. World energy balance. This course offers a theoretical basis of sectors and technologies.	https://etudier.ugam.ca/cours?sigle=PHY1741&ga_search=PHY1741&ga_cat=cours	Focused	9
PHY2660	0	New energies I	Science	Undergraduate	Study and description of the different energy production systems. Nuclear energy: fission (slow neutron and fast neutron pathways); fusion (slow fusion, fast fusion); solar energy: production of low heat (passive and active systems), high heat, production of electricity (photoelectric cell technology), production of biomass; wind energy: wind turbines with horizontal axis and vertical axis, configuration of a wind turbine; other energy sectors: the ground (geothermal energy), the sea (tidal power, thermal gradient, heliohydroelectricity).	https://etudier.ugam.ca/cours?sigle=PHY2660&ga_search=PHY2660&ga_cat=cours	Focused	9
PHY2672	5	The healthy house: concept	Science	Undergraduate	The objective of this course is to present the concepts and principles of healthy, ecological or energy efficient buildings: thermal envelope, passive solar design, bi-climatism, conventional and alternative heating and air conditioning systems, healthy materials, air quality , "LEED For Homes". State of research in energy efficient construction. Notions of land use planning related to habitat.	https://etudier.ugam.ca/cours?sigle=PHY2672&ga_search=PHY2672&ga_cat=cours	Focused	9
PHY2741	3	Technological fields II	Science	Undergraduate	The objective of this course is to describe the state of research and development in different energy resources: solar, wind, geothermal, sea (tide, thermal gradient, wave), biomass, hydrogen (fuel cell; especially in transport). Energy balance of Canada and Quebec. This course aims to acquire a theoretical basis in energy sectors and technologies.	https://etudier.ugam.ca/cours?sigle=PHY2741&ga_search=PHY2741&ga_cat=cours	Focused	7
PHY3001	3	Energy and socio-economic strategies	Science	Undergraduate	This course aims to present the socio-economic, political and regulatory frameworks of energy in Quebec, Canada and North America: supply and demand (management concept), import-export, distribution and transport of energy. energy.	https://etudier.ugam.ca/cours?sigle=PHY3001&ga_search=PHY3001&ga_cat=cours	Focused	7

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
PHY3666	3	Renewable energies laboratory	Science	Undergraduate	This course aims to study certain applications of solar energy (thermal and photovoltaic), wind energy, heat pumps as well as insulation and energy storage techniques. Measurements of human comfort parameters (heat exchanges, noise, magnetic fields, nuclear radiation). Practical application to evaluate the performance of renewable energy production system, energy transfer or human comfort.	https://etudier.ugam.ca/cours?sigle=PHY3666&ga_search=PHY3666&ga_cat=cours	Focused	7
PHY3750	5	Urban environment	Science	Undergraduate	Study of the different aspects (relating to the fields of physical sciences) of human activity in an urban environment and their impact on the environment (particular importance is given to water problems); concepts and fundamental problems of the urban environment: energy, raw resources, water quality, air quality, discharges and waste, communications (transport, telecommunications), the dynamics of urban development.	https://etudier.ugam.ca/cours?sigle=PHY3750&ga_search=PHY3750&ga_cat=cours	Focused	9
PHY4675	3	Energy simulation laboratory	Science	Undergraduate	This course aims to study concepts, applications and computer simulations of the use and energy losses of a building (energy performance). Thermal insulation, thermal inertia, types of heating and air conditioning, air infiltration effects, solar and internal gains, etc. (HOT2000 software and others). Integration of renewable energy resources and verification of their economic interest (RETScreen software).	https://etudier.ugam.ca/cours?sigle=PHY4675&ga_search=PHY4675&ga_cat=cours	Focused	7
POL3832	4	Politics, State and Minority	Political science	Undergraduate	Origin and development of the policies applied to cultural communities: immigration policies, host-integration of hand of work , housing, education, health, social services, etc. Study of the relationship between the federal and provincial governments on these issues. Evaluation of these policies with the communities and the interventions of these communities with the political authorities. State of the matter and outlook.	https://etudier.ugam.ca/cours?sigle=POL3832&p=4975	Focused	1
POL4105	5	Quebec Native Women: Debates and Issues	Political science	Undergraduate	The objective of this course is to study the issues and problems that concern the situation of Native women in Quebec. After reviewing the pre-colonial period and colonization, the specific effects of federal policies (Indian Act, etc.) and provincial programs (exploitation of natural resources, etc.) on Aboriginal women living on reserves and off reserve. In addition, the course will present the roles of indigenous women in their societies, paying particular attention to transformations and resistance to these transformations. The course will allow, among other things, the learning of feminist and anti-colonial theoretical frameworks and will make room for indigenous perspectives in order to analyze and understand the political, economic, social and cultural structures that define the particular situation of indigenous women, as well as the strategies and resistance tactics of the latter through the study of campaigns of specific demands and collective mobilizations.	https://etudier.ugam.ca/cours?sigle=POL4105&p=6850	Focused	5
POL4465	0	Indigenous peoples and international politics	Political science	Undergraduate	The indigenous peoples of the world have always had international relations with their neighbors, their enemies and the peoples with whom they traded. A first block will introduce the history of these relationships, before and since the various colonizations. A second block will address how have indigenous activism at the international level, since 1982, produced many instruments and institutions. It will also be a question of the way in which the natives have invested most of the places likely to protect their rights or to negotiate agreements which affect them. A third block will explore certain experiences of using international space in order to modify the balance of power with governments at the national level. Finally, in a fourth block, the constitution, or not, of an international indigenous movement will be discussed, through the study of different multinational organizations and through certain international campaigns (Inuit Circumpolar Conference , Sami Parliament, Asian Indigenous Peoples Pact , World Conference of Indigenous Peoples, etc.). The role of indigenous women at the international level will also be studied (Enlace, FIMI).	https://etudier.ugam.ca/cours?sigle=POL4465&p=6850	Focused	10
POL5913	2	Environmental policy	Political science	Undergraduate	Review of environmental policies and the social, economic, political, administrative and legal dimensions of sustainable development. Analysis of environmental governance at the local, national and international level, with special attention to Canadian and Quebec policies. Review of state and non-state environmental policy actors and their interaction. Decision-making processes, legislative and regulatory instruments, current issues.	https://etudier.ugam.ca/cours?sigle=POL5913&ga_search=POL5913&ga_cat=cours	Focused	8

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
POL5930	4	The Canadian State and Indigenous Peoples	Political science	Undergraduate	This course aims to study the Aboriginal question in the context of Canadian and Quebec political life. - Introduction to the situation of Aboriginal people in Canada and Quebec, under political, historical, geographic, cultural and socioeconomic aspects. - Prevailing relationship between Indigenous peoples and the state in Canada: The Indian Act and the evolution of Indian status, Indigenous mobilization, the role of courts and constitutional law, reform projects, sources of conflicts between Aboriginals and non-Aboriginals, etc. - The forms of self-government according to the nations and their traditions; the process of negotiating agreements and treaties; Indigenous political and land claims; indigenous nationalism and identity; Aboriginal people in Canada compared to those in other countries in America. - Challenges and issues of coexistence with the demand for multiple sovereignties.	https://etudier.ugam.ca/cours?sigle=POL5930&p=6850	Focused	10
PSY1620	0	Environmental psychology	Science	Undergraduate	The objectives of the course are to introduce students to the many facets of the relationship between the individual or group and the environment, considered from a molar point of view. To acquire the fundamental knowledge developed in psychology to describe, explain and modify human behavior in relation to the environment. - History and characteristics of the field on the theoretical and methodological levels. - Environmental cognition: cognitive mapping, spatial orientation. - Sociospacial behavior : personal space, territorial behavior, feeling of crowding, regulation of the border between oneself and others. - Ecological psychology: behavioral frameworks and population. - Environmental stressors (noise, heat, pollution). - Environmental assessment: aesthetics, person / environment suitability, environmental quality. - Psycho-environmental intervention: competence of individuals and groups, psycho-environmental potential, effect on development. - Pro-ecological attitudes and behaviors. - Reaction to ecological disasters. - Person / environment relationships in various settings: residential, school, professional, natural, urban, institutional. - Problems specific to certain clienteles (for example: children, elderly people, disabled people).	https://etudier.ugam.ca/cours?sigle=PSY1620&ga_search=PSY1620&ga_cat=cours	Focused	3
PSY2880	5	Psychology and Immigration	Psychology	Undergraduate	The migratory process and its effects on mental health: stress and specific psychological disorders and coping mechanisms (cognitive strategies, social networks); analysis of the phenomena of suicide and delinquency. Impact of racism and ethnocentrism on self-esteem and cultural identity. Immigration and restructuring of couple and parent-child relationships. Specific problems of isolated people, the elderly, refugees. Dynamics of integration into the host culture (work, language) in relation to identity and self-esteem. Models of psychosocial intervention (traditional models and professional models) with ethnic communities living in Quebec.	https://etudier.ugam.ca/cours?sigle=PSY2880&p=4975	Focused	10
SAC2100	7	Social movements: actions and cultural meanings	Sociology	Undergraduate	Familiarize students with the mobilizations of social groups with which they are likely to work. By emphasizing the social dynamics in which these groups find themselves, it prepares students to develop thoughtful and contextualized actions. This course aims to present the conditions of emergence, the modes of development and mobilization of social movements, their place in democratic life, as well as their effects on the cultural codes guiding social relations. Examination of the repertoires of collective action mobilizing cultural tools or the expressive dimension of culture. Overview of a diversity of social movements and analyzes of their strategies of (re) meanings and cultural resistances: workers, feminists, civil rights and anti-racism, First Nations, ecological, alter-globalization, LGBTQ, right-wing, etc.	https://etudier.ugam.ca/cours?sigle=SAC2100&p=6161	Focused	10
BAG3120	3	Cultural action, women and feminisms	Sociology	Undergraduate	To deepen the empirical knowledge of cultural action carried out by groups of women or from a feminist perspective. Allow students to acquire concrete knowledge of forms and strategies of cultural action that are developed there and to contribute to them: methods of animation and sharing of speech, anti-oppressive practices, cultural initiatives and projects, "do it yourself" techniques, feminist workshops and gatherings, use of information technology and social media to disseminate reflections and events, etc. Introduction to feminist analyzes on the processes of cultural production / dissemination / creation, on the social relations of sex or gender which are at play there, as well as on social recognition. Particular attention will be paid to the development by field actors of concepts and new cultural references making sense of social relations of sex or gender.	https://etudier.ugam.ca/cours?sigle=SAC3120&p=6161	Focused	16

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FIRST CYCLE COURSE								
BAG3190	6	Cultural action in the community movement	Sociology	Undergraduate	Deepen the empirical knowledge of cultural action in the community movement in Quebec / Canada. Allow students to prepare to intervene in this sector. Analysis of the cultural practices of the community movement (modalities of animation, democratic values, alternatives proposed and practiced). Study of the environment (associations from working-class circles, organizations of disadvantaged social groups, organizations promoting the empowerment and creativity of various communities). Community movement and local and regional development. Learning in the field.	https://etudier.ugam.ca/cours?sigle=SAC3190&p=6161	Focused	16
SAC4110	2	Social marginalization and subcultures	Sociology	Undergraduate	To deepen the theoretical and practical knowledge of cultural action with marginalized groups inventors of subcultures. Help students grasp the dynamics of social marginalization and the invention of subcultures and thus prepare them to intervene culturally with marginalized groups. Analysis of the social marginalization / invention of subculture relationships. The notion of subculture and the examination of paradigms linked to certain related social processes (impoverishment, marginalization, exclusion, segmentation, integration, participation, support, exercise of citizenship). Study of concrete situations of social marginality and subcultures.	https://etudier.ugam.ca/cours?sigle=SAC4110&p=6161	Focused	16
SCA1320	1	Earth's atmosphere	Earth and Atmospheric Sciences	Undergraduate	Composition of the atmosphere. Vertical structure of the atmosphere. Hydrostatic balance. Coriolis force. Thermal wind rule and jet stream. Air masses and fronts. Static stability and dry adiabatic profile. Water vapor and the formation of clouds and precipitation. Solar and terrestrial radiation. Radiative equilibrium of the atmosphere. Mid-latitude storms, blizzards, freezing rain, thunderstorms, hail, tornadoes, tropical cyclones. This course uses a descriptive approach with a minimum of mathematical development.	https://etudier.ugam.ca/cours?sigle=SCA1320&ga_search=SCA1320&ga_cat=cours	Focused	13
SCA2870	0	The urban atmosphere	Earth and Atmospheric Sciences	Undergraduate	Urban meteorology: winds, temperature, humidity, solar and terrestrial radiation. Radiative, water and energy balance. Microclimates. Air quality: sources, nature and measurement of atmospheric pollutants. Diffusion and dispersion: impact of winds, stability and synoptic systems. Physical and chemical changes. Impact of long-distance transport on the city, and of the city on the regional environment.	https://etudier.ugam.ca/cours?sigle=SCA2870&ga_search=SCA2870&ga_cat=cours	Focused	13
SCT3261	7	Pedology and photo-interpretation	Earth and Atmospheric Sciences	Undergraduate	Pedological overview and foundations of photo-interpretation applied to large groups of soils and vegetation. Ecological and evolutionary meanings of the factors and processes of pedogenesis. Soil, forest and agronomic surveys. Geomorphological, pedological and phytosociological relationships. Nature and properties of the aerial photo. Elements of interpretation: landforms, hydrographic networks, peatlands, agrarian structures, plant groups, urban occupation and recreational potential. Ground control. Remote sensing technique. Exercises. Directed research. Intensive course. An intensive week in the field and a week of research and work in the map library.	https://etudier.ugam.ca/cours?sigle=SCT3261&ga_search=SCT3261&ga_cat=cours	Focused	15
SCT3430	3	Energy resources	Earth and Atmospheric Sciences	Undergraduate	The course offers a theoretical basis of energy resources and energy vocabulary. The objective of this course is to paint a picture of renewable energy resources (solar, wind, hydroelectric, geothermal, etc.) and non-renewable (fossil (oil, gas, coal), nuclear). The student becomes familiar with the vocabulary of energy as well as its units of measurement and physical quantities: power, work, density, etc.	https://etudier.ugam.ca/cours?sigle=SCT3430&ga_search=SCT3430&ga_cat=cours	Focused	7
SCT6310	2	Global changes: geosphere-biosphere	Earth and Atmospheric Sciences	Undergraduate	Dynamics of environmental systems emphasizing climatic variations (past, current and projected), their causes and consequences. The global climate balance sheet. The external and internal parameters governing the climate. The carbon cycle and CO2 balances. Atmosphere-ocean relations. The greenhouse effect and recent global changes. Climate simulation models. Climate variability. Recording of climatic variations on a historical scale and on a geological scale. Methods of climatic and environmental reconstructions from time series. Laboratory (3 hours).	https://etudier.ugam.ca/cours?sigle=SCT6310&ga_search=SCT6310&ga_cat=cours	Focused	13

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FIRST CYCLE COURSE								
SEN1105	3	Concepts in environmental science	Environmental sciences (institute)	Undergraduate	Acquire certain notions necessary for understanding the systemic organization of the environment. Develop in the student the ability to bring together scientific disciplines around the search for solutions to environmental issues. Address the evolution and scope of the concepts of governance and environmental policies. To learn about the major currents of thought, the epistemological and ethical dimensions of environmental sciences. This course aims to highlight through concrete examples the complexity of environmental issues and multi-actor, multi-space and multi-discipline interactions. This course allows to expose the emergence of the different schools of thought in environment and the ethical principles. The definition and principles of sustainable development as well as the challenges relating to their application are also presented using theoretical examples and field illustrations.	https://etudier.ugam.ca/cours?sigle=SEN1105&ga_search=SEN1105&ga_cat=cours	Focused	13
SEN3001	2	Environmental science case analysis	Environmental sciences (institute)	Undergraduate	Allow the student to apply the knowledge and skills acquired during his progress. Develop in the student the capacity of synthesis and positioning on one or other of the current environmental issues. Address the evolution and scope of the concepts of governance and environmental policies. Multidisciplinary analysis of current cases affecting the environment. A multidisciplinary team of professors, using lectures and active learning, will use these case studies to synthesize and integrate concepts and knowledge in environmental sciences.	https://etudier.ugam.ca/cours?sigle=SEN3001&ga_search=SEN3001&ga_cat=cours	Focused	11
SEN4002	2	Lifecycle approach	Environmental sciences (institute)	Undergraduate	Allow the student to become familiar with scientific analysis methods taking into account all the environmental impacts associated with a product, process or service. Review of the principle and stages marking the process of a life cycle analysis. Methods and approaches. ISO standards. Flow of matter and energy. Key environmental parameters. System boundaries. Data and information sources. Case studies.	https://etudier.ugam.ca/cours?sigle=SEN4002&ga_search=SEN4002&ga_cat=cours	Focused	12
SEN4010	2	Impacts and adaptation to climate change	Environmental sciences (institute)	Undergraduate	Allow the student to understand and link the biophysical and societal processes involved in climate change. This course addresses the impacts generated by climate change and the strategies implemented at local and regional level to enable communities and societies to adapt to changes in environmental conditions. Behavioral changes, policies and governance strategies. Case studies.	https://etudier.ugam.ca/cours?sigle=SEN4010&ga_search=SEN4010&ga_cat=cours	Focused	13
SEN5100	0	Environmental science internship	Environmental sciences (institute)	Undergraduate	Allow the student to apply the knowledge and skills acquired during his progress. Develop in the student the capacity of synthesis and positioning on one or other of the current environmental issues. Address the evolution and scope of the concepts of governance and environmental policies. This internship allows the student to put into practice the theoretical bases acquired during an internship in the workplace (university, socioeconomic environment, etc.). This supervised activity aims to apply the knowledge acquired by the student and to develop his network of contacts, in order to facilitate his integration into the labor market or his transition to graduate studies. Modalities: This course is devoted to supervised individual work. Interactive oral presentations at the end of the term.	https://etudier.ugam.ca/cours?sigle=SEN5100&ga_search=SEN5100&ga_cat=cours	Focused	
SEN5110	2	Scientific communication in environmental sciences	Environmental sciences (institute)	Undergraduate	Allow the student to learn to transfer knowledge in environmental sciences through effective communication in different contexts. The objective of this course is to develop the skills necessary for effective scientific communication. Study of the principles of effective communication. The main scientific communication tools: oral communication, poster and article. Methods of preparing and presenting oral or written communication. Choice and ordering of content according to the target audience. Realization of an oral presentation, a poster and / or an article on the approaches and results of research or internship (s).	https://etudier.ugam.ca/cours?sigle=SEN5110&ga_search=SEN5110&ga_cat=cours	Focused	13

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
SEX2283	2	Sexualities, cultures and ethnicity		Undergraduate	Theories on culture, ethnicity, racialization and their interactions with sexuality. Immigration and ethnicity in Canadian and Quebec contexts: colonization; immigration policies and history; Aboriginal and immigrant groups present. Presentation of empirical data on relevant themes to understand cultural variations and the influence of the immigration situation on sexuality: family and conjugality; construction and variation of gender; construction and variation of sexual orientation; sexual and sexual body; sexual attitudes and behavior; eroticism, exoticism and racialization; sexuality and transnationalism; commodification of sexuality and globalization; violence against women, cultures and social inequalities. Intervention methods in a multicultural context and reflection on one's own biases.	https://etudier.ugam.ca/cours?sigle=SEX2283&p=6379	Focused	5
SOC1018	4	Environmental sociology	Sociology	Undergraduate	The environment occupies a central place in the understanding of our societies. This course offers an exploration of the main environmental issues and their links with human activities in order to identify the complexity of ecological issues in our contemporary societies. Nature-society relationships, including relationships between humans and non-humans, will be studied using a socio-historical analysis method as well as various contemporary sociological trends. In addition to the study of theoretical and methodological tools in sociology, the course revolves around the analysis of several themes which situate the major contemporary debates in environmental matters.	https://etudier.ugam.ca/cours?sigle=SOC1018&p=6379	Focused	
SOC1022	0	Ethnicity and national issues	Sociology	Undergraduate	This course focuses on ethnic and national minorities in the light of the nation-state building processes unfolding in Quebec and in the Canadian and international context. The political issues surrounding relations between Indigenous peoples and the Quebec and Canadian states are examined. The socio-political factors underlying ethnic relations are discussed: symbolic representation of the people and foreigners; nationalist ideologies; the production of ethnic boundaries and categories; national universalism and cultural particularisms; public policies and legislative frameworks for regulating majority-minority relations; mobilization and identity challenges of racialized and / or racialized actors.	https://etudier.ugam.ca/cours?sigle=SOC1022&p=4975	Focused	
SOC1032	0	Organization and mobilization of diasporas in Quebec	Sociology	Undergraduate	This course develops a sociological approach to the forms of collective organization and mobilization that emanate from the associative life of populations with an immigrant background. The following topics are discussed, among others: community building by setting up organizations for mutual aid, defense of rights, cultural promotion, representation, education and religious practice; civic, political and electoral participation of diasporic populations; intra-community conflicts and divisions; pan-ethnic and transnational relationships and identifications; mobilization and minority demands in the public arena.	https://etudier.ugam.ca/cours?sigle=SOC1032&p=4975	Focused	10
SOC1061	0	Gender, immigration and ethnicity	Sociology	Undergraduate	This course addresses issues relating to immigration and migration from an intersectional feminist perspective that seeks to capture the interweaving of gender, ethnicity, "race" and class variables in the analysis. The interrelationships between these social relations are taken into consideration in order to understand international migratory flows and corridors, the explanatory factors (micro and macro) of migration as well as the impact of migration on the societies of departure and on North-North relations. South. By giving particular importance to the Quebec and Canadian contexts, this course seeks to understand, in immigrant societies, the gender-differentiated insertion trajectories of immigrants and racialized people in the labor market and in socio-political institutions. and dominant cultures. This course takes gender into account in the analysis of migration policies and the modalities of access of immigrants and racialized people to social and health services. This course explores the impact of the migratory process on social gender relations in the private sphere, in particular on the sexual division of domestic and wage labor.	https://etudier.ugam.ca/cours?sigle=SOC1061&p=4014	Focused	10

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FIRST CYCLE COURSE								
SOC1200	4	Sociology of education	Sociology	Undergraduate	This course presents the different sociological approaches to the field of education. Design of education in different theories. Education as a space of production and social reproduction. Inequalities in education: classes, sexes, ethnicities, races. Historical structuring of the educational field: development of the school system, initial training and continuing training, education outside of school. Sociology of the curriculum and construction of programs. The relationship between training, work and economy. School and socio-professional integration. Sociology of the field of education. Sociology of school actors.	https://etudier.ugam.ca/cours?sigle=SOC1200&p=6510	Focused	10
SOC1213	1	Immigration, ethnic minorities and interethnic relations	Sociology	Undergraduate	This course examines various issues from a theoretical and comparative perspective. Migration flows and globalization. The formation of ethnic and racialized minorities following various historical processes (colonialism, slavery and immigration). Modes of integration. The ideologies of assimilation, multiculturalism, citizenship and transnationalism. Mobilization and ethnic relations. Social construction and the transformation of identities. Discrimination and Racism.	https://etudier.ugam.ca/cours?sigle=SOC1213&p=4975	Focused	
SOC1231	4	Sociology of racism	Sociology	Undergraduate	This course aims to acquire theoretical and empirical knowledge in the field of the sociology of racism and the processes of racism of social groups. It presents various theories and analyzes on racism and its social consequences on racialized groups. The main subjects and questions dealt with in the course are: the concepts of "social race" and racialization; debates on the genesis of racism in the West; the manifestations, levels and logics of racism; racism and colonialism; specific variations of racism (eg anti-black racism, anti-Semitism, Islamophobia, profiling, etc.); the relationship between racism, nationalism and ethnicity; systemic racism and discrimination; debates on the transformations of current racism (differentialist neo- racism, cultural racism, " color-blind" racism , etc.); the intersectionality of racialized social relations, gender and class; the challenges of anti-racism.	https://etudier.ugam.ca/cours?sigle=SOC1231&p=6161	Focused	
SOC1251	7	Classes, stratifications and social inequalities	Sociology	Undergraduate	This course presents the main classical and contemporary theories of class and social inequalities in sociology. He discusses the debates and issues around the division of labor. It presents a historization of inequalities and their transformations, as well as the manifestations of class inequalities in different social fields (economy, health, education, culture, etc.). It analyzes, alongside class inequalities, other sources of inequality (such as sex / gender, ethnicity , North / South relations).	https://etudier.ugam.ca/cours?sigle=SOC1251&p=4269	Focused	10
SOC1400	6	Dynamics of contemporary social problems	Sociology	Undergraduate	This course aims to make the student able to identify the main contemporary social issues and the power relations that result from them; become aware of the issues that confront contemporary societies on the political, economic and legal levels. Analysis of the main social problems usually recognized in urbanized and industrialized societies, particularly among the working classes (poverty, unemployment, housing, national oppression, immigration, etc.). Studies of the main analyzes used in the explanation of social problems and of the solutions proposed by different groups in society: governments, unions, popular organizations, etc.	https://etudier.ugam.ca/cours?sigle=SOC1400&p=6998	Focused	10
SOC1805	3	Work and aging	Sociology	Undergraduate	Study of working conditions and problems related to maintaining or returning to the labor market. Critical analysis of ergonomic aspects, management models, workstations and human resources in public and private companies: adaptation of workstations, career management, retraining, retraining and permanent training, early retirement and prolonged unemployment. Comparative analysis of various intervention models in Quebec, North America and Europe.	https://etudier.ugam.ca/cours?sigle=SOC1805&p=4402	Focused	10

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FIRST CYCLE COURSE								
SOC2014	4	Queer sociology	Sociology	Undergraduate	This course traces the emergence of queer theories following the critical production of new knowledge on sexualities and gender. Its relations with sociology are examined there, both in terms of influences received and that of analytical and methodological tensions. Some central objects of study of queer theories can be explored such as the sociohistorical formation of homosexual identities; the disciplinary or emancipatory functions of homo / hetero binary categories; the sex-gender-desire articulations (Butler) and the social organization of heterosexuality; the theoretical and political intersections and tensions around multiple positions: queer and feminisms, queer and social classes, "queer of color", queer and trans, queer and disabled, etc .; This course covers some recent developments in queer theory linking materialism and culture.	https://etudier.ugam.ca/cours?sigle=SOC2014&p=6161	Focused	
SOC201X	0	Feminist thoughts and social issues	Sociology	Undergraduate	This sociology course, with variable content, examines specific themes from a feminist perspective: work, health, family, culture, media, ecology, language, intimacies, sexuality, sexual violence, immigration, indigenous women, etc. These themes will be discussed from a double theoretical and empirical point of view. It can be taught in a team and deal with more than one theme.	https://etudier.ugam.ca/cours?sigle=SOC201X&p=6161	Focused	
SOC2126	2	Indigenous struggles in the Americas	Sociology	Undergraduate	This course analyzes contemporary struggles led by indigenous people in the Americas. It explores the historical and current causes of these struggles (colonialism and consequences), the interests they oppose and the proposals of the natives for contemporary societies. The first part is devoted to theoretical and epistemological debates and the second to the case study (thematic or by region).	https://etudier.ugam.ca/cours?sigle=SOC2126&p=6850	Focused	10
SOC2127	2	Sociological Perspectives on Contemporary Indigenous Societies	Sociology	Undergraduate	This course aims to understand the socioeconomic realities of the Aboriginal peoples of Quebec and Canada. By using different sociological and anthropological theories (ex: theories of domination, exclusion, postcolonialism, recognition ...), the course will address the current relationships between indigenous and non-indigenous societies as well as the challenges and issues related to the affirmation and recognition of the status of nation, people, minority. The course will deal with the living conditions of indigenous peoples through different themes, such as education, institutions, relationships with the city, economic development, environmental struggles, social projects. By following an interdisciplinary point of view anchored in a socio-historical perspective, the students will be led to question the conditions of realization of a common social project.	https://etudier.ugam.ca/cours?sigle=SOC2127&p=6850	Focused	10
SOC2448	1	Urbanity and society	Sociology	Undergraduate	The central objective of the course is to develop an analytical and critical look at the relationship of sociology to urbanity. This perspective makes it possible at the same time to address historical questions, key theories and concepts and the pragmatic and civilizational issues raised by the relationship of sociological thought and practices to urbanity. The relationship to territoriality is transformed with the development of sedentary civilizations. A strong link emerges between the social and the urban. This course revisits the process of emergence, development and historical expansion of this relationship. More specifically, it dwells on the contemporary forms and issues of urbanization in the context of globality: the phenomenon of the plurality and diversity of urban forms (from the village to the mega-city); from classic urban issues (inequalities, disputes, integration, mobility, creativity) to contemporary issues ("gates cities", smart cities, "cyborg" cities). Finally, the course covers the rise in understanding of this relationship: the contribution of the classics and those of the Chicago school, from Marxist approaches to end and beginning of the millennium interpretations of metropolization and the global city.	https://etudier.ugam.ca/cours?sigle=SOC2448&p=6379	Focused	11

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FIRST CYCLE COURSE								
SOC2449	2	Social economy and new solidarities	Sociology	Undergraduate	This introductory course presents, analyzes and takes a critical look at the historical, theoretical, institutional and organizational dimensions of the social and solidarity economy (SSE). It makes it possible to situate the specific relationships developed between SSE, the State (regulation & institutionalization), the Market (pollination & hybridization) and Civil Society (social dimension and the economy & societal issues). In a pragmatic way, based on case studies and testimonies from representatives of this sector, the course very specifically addresses the modalities, processes and dynamics of emergence and development of a variety of organizational forms (cooperatives, mutuals, associations) and solidarity practices (informal and formal). Finally, it looks very specifically at the potential of SSE with regard to the issue of social and ecological transition.	https://etudier.ugam.ca/cours?sigle=SOC2449&p=6998	Focused	8
SOC3113	4	Anthropology of gender	Sociology	Undergraduate	This course is an introduction to the anthropology of gender. It proposes to reflect on the diversity of transcultural constructions of gender in the world. Emphasis will be placed on the political, social, economic, cultural and moral dynamics which participate in the constitution of these categories and in the social relations of sex. Two perspectives are articulated in this course: that which deals with identity and cultural issues and which dissociates the biological definition of sex from cultural representations and embodiments of gender, and that which, from a political economy perspective, analyzes relationships social gender and other sources of oppression. The work of social and cultural anthropology, feminist anthropology and archeology covered in this course focuses mainly on non-Western contexts.	https://etudier.ugam.ca/cours?sigle=SOC3113&p=4014	Focused	5
TRS1350	14	Social intervention and intercultural relations	Social work	Undergraduate	Deepening of the understanding of current social phenomena related to diversity in the broad sense (ethnic, cultural, religious, linguistic, etc.) and specifically with the question of immigration into local social life in Montreal, Quebec and Canada. Identification and analysis of related issues. Stakes for the host society, for immigrants and for social professionals (training, information, adaptation of interventions, professional identity, etc.). Knowledge specific to intervention in an intercultural context. Presentation and analysis of intervention models (individual, family, group, collective action) with immigrant, refugee and indigenous populations.	https://etudier.ugam.ca/cours?sigle=TRS1350&p=6998	Focused	10
TRS1580	7	Theories of social problems and marginality	Social work	Undergraduate	This course brings together the American tradition of social problems (Chicago School) and the French tradition of marginality present in Quebec. In this perspective, it is therefore a question of broadening the theories of social problems by integrating the study of the processes of singularization and heterogeneity of contemporary societies which result in the rise of the individualization of ordeals. The course analyzes the notions of pathology, deviance, madness, handicap, dependence, criminality, inequality, poverty, marginality, vulnerability. In short, it presents the social mechanisms of exclusion of "problematized" populations seen as the expression of the fundamental interaction between individual and society as well as the main concepts related to these notions such as the norm, the margin, labeling, stigma, inclusion / exclusion, alienation, etc.	https://etudier.ugam.ca/cours?sigle=TRS1580&p=6998	Focused	10
TRS3025	5	Social work and the elderly	Social work	Undergraduate	This course aims to allow the student to learn about social intervention with the elderly and their relatives. It aims to acquire knowledge about the actors, environments and models of social work practices and to grasp the principles of individual, group and collective intervention with the elderly faced with various problematic situations (loss of autonomy physical and cognitive (incapacity), abuse and mistreatment, etc.). Scenarios and analyzes of inspiring practices in private, public / institutional and community settings will promote the integration of learning.	https://etudier.ugam.ca/cours?sigle=TRS3025&p=4402	Focused	10

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
TRS3035	3	Violence and youth	Social work	Undergraduate	Definitions of various types of violence suffered, internalized, externalized, cultural, social and institutional in relation to which young people can be identified as perpetrators or victims. Review of the main theories explaining this violence and its practical consequences. Analysis of intervention models in social work to prevent and reduce violence. Critical look at the main institutional and community resources in this field. Identification of the main normative and socio-political issues as well as the power of young people in the face of this violence.	https://etudier.ugam.ca/cours?sigle=TRS3035&p=6998	Focused	10
TRS3115	0	Elderly people and society	Social work	Undergraduate	The purpose of this course is to study the social aspects of aging and the dynamics of the relationship between elderly individuals and society. It offers an analysis of the social realities and inequalities experienced by the elderly with regard to gender, social class, ethnicity, living environment (urban-rural), etc. The course allows the exploration of notions and manifestations of ageism, sexism, exclusion / inclusion and social solidarity towards older people.	https://etudier.ugam.ca/cours?sigle=TRS3115&p=6998	Focused	10
TRS3250	7	Social and health services and intercultural relations	Social work	Undergraduate	Historical and analytical perspective of the development and adaptation of social and health services with regard to ethnic, religious, linguistic and cultural diversity. Examination of the broader socio-political and economic contexts in which the programs and strategies of action of Ministries, government institutions and NGOs fit. From this institutional point of view, development of a critical look at the challenges of adapting services to contemporary social transformations, their impacts on the integration of immigrant and native populations and the responses to issues in an intercultural context. Identification of challenges and contributions to living it together.	https://etudier.ugam.ca/cours?sigle=TRS3250&p=6998	Focused	10
TRS3300	5	Street work and social work	Social work	Undergraduate	This course aims to acquire a general knowledge of street work by future social workers in order to promote their recognition of this practice and fuel their reflection on intervention with marginalized young people. The history of the emergence and development of street work. The different models of practice; objectives pursued and reading of the reality of young people. The forms of intervention (field presence, referral, support, follow-up) and their characteristics. Ethical issues: volunteering, confidentiality. The relationship with the world of young people and the importance of the link with them. Relations with state institutions and services and community resources; strategies for developing interfaces and issues for the respective practices as well as for responding to the needs of marginalized young people.	https://etudier.ugam.ca/cours?sigle=TRS3300&p=4153	Focused	
TRS3360	1	Social work, mobility and international contexts	Social work	Undergraduate	Identify and analyze the social problems that cross different national contexts (mobility, diaspora, violence and conflicts, environmental issues, the rightization of political ideas, etc.). Highlight the national and international resources developed in these contexts and in the face of these issues (institutional actions, actions of civil society, social movements, etc.). Contextualize and analyze the evolution of international social work practices: contribution of social intervention to international cooperation and development, education to international solidarity, international academic collaboration practices, etc. Examine the knowledge and skills of intercultural intervention implied by such intervention practices.	https://etudier.ugam.ca/cours?sigle=TRS3360&p=6998	Focused	
TRS3500	5	Violence against women and feminist interventions	Social work	Undergraduate	Appropriation of analytical frameworks and feminist intervention methodologies in relation to violence against women. Critical study of the various explanatory models of violence against women and presentation of feminist, intersectional and indigenous feminist analyzes in terms of social relations. Reflection and debate on the aims, concepts, principles and strategies underlying feminist intervention as well as their application. Familiarization with the skills and techniques specific to this type of intervention. Analysis of the social responses proposed by the women's movement in the field of violence against women.	https://etudier.ugam.ca/cours?sigle=TRS3500&p=6998	Focused	5

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
TRS3550	0	Women, mental health and feminist interventions	Social work	Undergraduate	Presentation of conceptual and analytical elements related to mental health problems attributed to women and introduction to feminist intervention methodologies. Examination of the various forms of oppression to which women are exposed and their influence on mental health. Critical study of sexism in theories applied by different professions and the evolution of feminist intervention in social work in mental health. Presentation of the principles and methods specific to different models of feminist and intersectional intervention; familiarization with specific skills and techniques. Study of the social responses proposed by the women's movement in the field of mental health.	https://etudier.ugam.ca/cours?sigle=TRS3550&p=6998	Focused	5
TRS3700	4	Mental health, social processes and support practices	Social work	Undergraduate	This course shows the social processes at work in the field of mental health. He examines the evolution of theories and practices throughout history. The course also examines the links between mental health and contemporary society by focusing on social representations and social contexts, It looks at some issues (depression, psychotic state, suicidal crisis, children's mental health, etc.) and, finally presents some current support practices (suicidal crisis intervention; community follow-up; youth mental health).	https://etudier.ugam.ca/cours?sigle=TRS3700&p=6998	Focused	10
TOTAL	468	Number of courses given directly related to eco-responsibility (sustainability focus courses)						

List of Sustainability Inclusive courses - 2017 to 2020 - 1st cycle

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
ANT1000	0	Introducion to the Indigenous worlds of Quebec and Canada	Anthropology	Undergraduate	This course, given by an interdisciplinary team, is a general introduction to the Aboriginal peoples of Quebec and Canada, including the Inuit , Amerindians and Métis. It aims to introduce students to the unity and diversity of Aboriginal realities and offers to familiarize themselves with the main concepts of Aboriginal studies. It offers a global vision of historical, sociological, economic, identity, linguistic and cultural aspects while promoting indigenous speech through different mediums (films, conferences, etc.).	https://etudier.ugam.ca/cours?sigle=AUT1000&p=6510	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
ANT2001	0	Anthropology and autochthones	Anthropology	Undergraduate	To think critically about the contribution of the anthropological discipline to the definition of autochthony. To learn about the different forms of colonialism and the different interactions with the local populations which have existed historically and which currently exist in the world. Learn about the variability of populations described as Indigenous in the world. Reflect on the posture of anthropology in the definition of otherness, especially in a colonial situation. Reflect on the contribution of reflexivity in anthropology in the construction of the concept of autochthony. This course is a reflection on the contribution of the anthropological discipline to the notion of autochthony. Examination of the history of anthropology and its close association with otherness in the colonial geopolitical space. Examination of the different forms of colonialism and the interactive dynamics between colonial populations and local populations. Examining the variability of indigenous populations around the world. Examination of the historical transformations of the concept of Aboriginals and autochthony. Past and contemporary positioning of the discipline on the concept of autochthony and vis-à-vis Aboriginals; heritage of this positioning. Reflections on the creation of an indigenous anthropology.	https://etudier.ugam.ca/cours?sigle=ANT2001&p=6161	Indirect	
ASC6003	20	Intercultural issues in Quebec schools	Education and pedagogy	Undergraduate	The objectives of this course are: to examine the characteristics of intercultural education; grasp the socio-cultural issues of pluriethnicity; apply with discernment the theoretical knowledge learned. This course aims to make students aware of the reality of a multi-ethnic society and to prepare them to better meet the expectations and needs of children from minority groups. The phenomenon of immigration and its impact on the integration of ethnic groups in the classroom, at school and in Quebec society in general, and in Montreal schools in particular. Analysis of school situations in the context of diversity. Multiplicity of identity choices available to young people. Review of the means allowing the updating of knowledge, research and innovation in this field.	https://etudier.ugam.ca/cours?sigle=ASC6003&ga_search=ASC6003&ga_cat=cours	Indirect	
ASC6805	0	School and society	Education and pedagogy	Undergraduate	This course identifies the social and academic factors that explain the differentiated success of students according to socio-cultural variables such as gender, socioeconomic level, family experience, ethnocultural affiliation. To this end, it is part of a systemic perspective which, through the study of scientific research and the practices of school (students, faculty, administrators) and social actors (families, community environment, social services), makes it possible to identify strategies to mobilize an educational community around the necessary success of all students and equal opportunities for all.	https://etudier.ugam.ca/cours?sigle=ASC6805&p=7088	Indirect	
ASS4815	19	Teaching strategies and intellectual disabilities	Education and pedagogy	Undergraduate	This course aims to understand the learning of children, adolescents and adults with intellectual disabilities and the development of skills and attitudes to adapt teaching to their real abilities in a perspective of integration into their environment. of life. Brief reminder of the basic concepts (intellectual disability, mental retardation, intellectual disabilities, etc.). Understanding of learning processes and application exercises. Observation and identification of the capacities and needs of people with intellectual disabilities with a view to their social and educational integration. Adapted teaching strategies and reflective analysis. Critical analysis of different methods of adapting education to primary and secondary levels.	https://etudier.ugam.ca/cours?sigle=ASS4815&p=7088	Indirect	
BIO1050	8	Animal biology	Biological sciences	Undergraduate	General notions of animal biology seen from an evolutionary angle. The levels of organization of living matter and organisms and the range of biological disciplines. Size and time scales, zoological nomenclature, systematics and phylogeny. Basics of evolution: evolutionary theory and paleontological, embryological, biochemical, genetic, morphological, functional and behavioral argumentation. Synthetic presentation of the main animal phyla and the major stages of their evolution. Environmental selection pressures and the evolution of the main life systems in aquatic and terrestrial environments in some large animal phyla .	https://etudier.ugam.ca/cours?sigle=BIO1050&ga_search=BIO1050&ga_cat=cours	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
BIO1302	0	The biotic environment	Biological sciences	Undergraduate	Basic concepts in chemistry, biochemistry and microbiology. Elemental composition of living organisms - the molecular basis of life. Important functional groups in biochemistry. Structure, function, replication and expression of genes. General study of microorganisms and their activities. Microbiology of domestic and wastewater. These theoretical notions will be put in relation with examples in the fields of medicine, health, agro-food and the environment. This course includes practical work.	https://etudier.ugam.ca/cours?sigle=BIO1302&ga_search=BIO1302&ga_cat=cours	Indirect	
BIO2611	7	Plant's biology	Biological sciences	Undergraduate	Morphology and reproduction of higher plants, algae and fungi from an evolutionary perspective. Basic principles of plant taxonomy. Classification of selected families of vascular plants from Quebec. Elements of ethnobotany. Anatomy of the leaf, stem and root in relation to photosynthesis, the transport of sap and the accumulation of reserves. Action of phytohormones on growth and development. Symbiosis mycorrhizales and nitrogen-fixing. Historical approach to the evolution of important concepts in plant biology.	https://etudier.ugam.ca/cours?sigle=BIO2611&ga_search=BIO2611&ga_cat=cours	Indirect	15
BIO3500	4	Seminar in ecology and data analysis	Biological sciences	Undergraduate	The objectives of the course are as follows: to bring the students to understand the stages necessary for the experimentation in ecology; understand issues relating to the establishment of an experimental protocol, be able to apply statistical methods to data analysis, and be able to criticize results and their analysis as presented in the literature; learn and put into practice the rules of scientific communication; practical introduction to the collection and communication of scientific information by means of bibliographical research in the field of ecology; simple notions of biostatistics; mean, variance, sampling, notion of statistical tests; comparison of means and frequency; notion of correlation; initiation into the use of the main written and computerized databases; search and location of relevant documents; modes of scientific communication; presentation of quantitative data; writing by students of summary articles; oral presentations, by students, criticism and discussion of the presentations.	https://etudier.ugam.ca/cours?sigle=BIO3500&ga_search=BIO3500&ga_cat=cours	Indirect	
BIO5091	4	Introduction to the study of animal behavior	Biological sciences	Undergraduate	Introduction to the scientific study of animal behavior and the interpretation of its proximal causes, its evolution and its implications for humans. The content is divided into three main themes: Proximal causes (perception, motivation, natural rhythms, neuroethology, ontogeny, learning and cognition). Evolutionary causes (behavioral function, communication, choice of sexual partners, sexual conflicts, evolution and social systems). Animal behavior and society (behavior and good care of farm animals, behavior and conservation, human evolution and behavior).	https://etudier.ugam.ca/cours?sigle=BIO5091&ga_search=BIO5091&ga_cat=cours	Indirect	
BIO6821	3	Wildlife management	Biological sciences	Undergraduate	Initiation to land use methods. The effect of various logging and forest management for the protection of wildlife. Notions of fish farming; diagnosis of lakes, poisonings, stockings of sport fish. Conservation and management of hydrographic basins. Management of terrestrial fauna and in particular big game. Notions of natural land use planning for recreation.	https://etudier.ugam.ca/cours?sigle=BIO6821&ga_search=BIO6821&ga_cat=cours	Indirect	
BIO6851	3	Arthropods	Biological sciences	Undergraduate	General study of the following classes: crustaceans, arachnids, myriapods and insects. Functional morphology, ecological role and taxonomic characteristics of the main groups. Introduction to the classification of insects and their economic importance.	https://etudier.ugam.ca/cours?sigle=BIO6851&ga_search=BIO6851&ga_cat=cours	Indirect	
COM2180	4	Media, immigration and ethnic communities		Undergraduate	Analysis of relations between national and parastatal institutions and ethnic communities. Methods of critical analysis of the media: image, representation, place of the ethnic and "racial" question in national and community media. Traditional strategies and alternative models in intercultural communications.	https://etudier.ugam.ca/cours?sigle=COM2180&p=4975	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
COM2185	4	Communication and interethnic relations		Undergraduate	Current issues related to the analysis and understanding of the role of communication in conditions of ethnic and cultural pluralism. Intercultural communication networks: interpersonal, institutional and media; Communication practices of national media and ethnic media; Critical perception on the use of media in the service of diversity and cultural development; the role of communication in the process of cultural identification: individual, psychosocial and collective identity. Particular attention will be paid to the phenomena of interethnicity and interculturality in Quebec, France and the United States. The course offers an intercultural path fueled by the development of theoretical knowledge and factual knowledge. Concepts and tools for analysis and understanding; Meetings with carriers of different cultures; Presentations, analyzes, testimonies, discussions	https://etudier.ugam.ca/cours?sigle=COM2185&p=4153	Indirect	10
COM5115	3	Communication and gender relations		Undergraduate	The objective of this course is to allow the student to understand the phenomena of communication by taking into account sex relations in different contexts. Feminist and masculinist perspectives in communication. Integrated approach to equality between women and men. Differences and similarities between the sexes (genders): in the modes of interpersonal communication, in the communication in an organized environment, in the request for help, in the composition of the personal networks of men and women, etc. Gender relations, emotional relations and power relations. Feminist intervention. Models, stereotypes, archetypes and myths.	https://etudier.ugam.ca/cours?sigle=COM5115&p=4014	Indirect	
DEM6872	1	Environment B: project	Environmental sciences	Undergraduate	Activity as proposed by a student or a group of students and accepted by the Program Committee or the responsible professor. This activity should allow students to carry out a project linked to a request from outside environments which do not traditionally have access to the services and teaching of the university.	https://etudier.ugam.ca/cours?sigle=DEM6872&ga_search=DEM6872&ga_cat=cours	Indirect	
DEM6873		Environment C: internship	Environmental sciences	Undergraduate	Activity as proposed by a student or a group of students and accepted by the Program Committee or the responsible professor. This activity must allow students individually or collectively to complete an internship in Canada or abroad in accordance with the policies of the University of Quebec at Montreal.	https://etudier.ugam.ca/cours?sigle=DEM6873&ga_search=DEM6873&ga_cat=cours	Indirect	
DEM687X	1	The environment: seminar	Environmental sciences	Undergraduate	This activity should allow students to hold a seminar whose study objectives are related to environmental design while allowing openness to other disciplines. The content will be specified according to the activity. This activity, proposed by a student, a group of students, a professor or a lecturer, must be accepted by the Program Committee.	https://etudier.ugam.ca/cours?sigle=DEM687X&ga_search=DEM687X&ga_cat=cours	Indirect	
DES2620	9	History and theory of environmental design	Management sciences	Undergraduate	Course aiming to allow students to deepen their knowledge of environmental design, to know its modern history and exemplary productions. Exercises aimed at the formal, historical and critical analysis of environmental design projects.	https://etudier.ugam.ca/cours?sigle=DES2620&ga_search=DES2620&ga_cat=cours	Indirect	
DES4650	8	Design and urban environment	Environmental sciences	Undergraduate	Course aiming to allow students to acquire knowledge of design at the scale of the city and the territory. Morphological analysis of the constituent elements of the urban environment: the street, the public square, the park, the district, the large complexes. Contemporary and historical case studies aimed at acquiring knowledge of the issues, approaches, tools and techniques in use in urban design, including regulation, implementation, citizen participation, infrastructure, transport and landscape.	https://etudier.ugam.ca/cours?sigle=DES4650&ga_search=DES4650&ga_cat=cours	Indirect	
DES5620	6	Theories and practices of environmental design: thematic explorations	Environmental sciences	Undergraduate	Course aiming to allow students to articulate the design project to the reflective and critical framework of environmental design, in relation to the theme addressed in the thematic workshops. This theme will vary each year. Lectures by specialists on the topic addressed. Research work on the theme explored in the thematic workshops in the same quarter.	https://etudier.ugam.ca/cours?sigle=DES5620&ga_search=DES5620&ga_cat=cours	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
EFA3000	5	Trainer: roles, resources and environment	Management sciences	Undergraduate	The course allows to know the resources and the constraints of the environment which influence the work of the trainer in the workplace: training policies and laws focused on the development of knowledge and skills, public bodies for the development of training, measures support, etc. The course also aims to gain knowledge of the roles, functions and responsibilities of trainers in the Quebec context as well as the principles of professional ethics useful for communication and the establishment of contracts. The course deals with the resources and tools necessary for the work of the trainer and the relevant modes to adapt them to the organizational reality or to the different sectors of activity. It provides knowledge of the workplace training environment in Quebec. This course also allows an analysis of the roles, functions and responsibilities of the trainer and a reflection on his strengths and difficulties. It addresses issues relating to the adoption of responsible and enlightened behavior towards training audiences and other training stakeholders, as well as the ability to enter into contracts according to the principles of professional ethics.	https://etudier.ugam.ca/cours?sigle=EFA3000&ga_search=EFA3000&ga_cat=cours	Indirect	10
FEM1000	10	Introduction to feminist thought		Undergraduate	Through classic writings of feminist thought, this introductory course presents the basic theoretical knowledge to understand the pluralism of contemporary feminism as well as its historicity. He considers two key periods in the history of feminist ideas: the first, from Christine de Pisan to Simone de Beauvoir, which privileges the individual rights of women; and the second wave, characterized by the liberation movement and the collective organization of women. This course is structured around four main axes: the historical dimension, the study of social relations of sex, representations of the feminine, the body and gender identity.	https://etudier.ugam.ca/cours?sigle=FEM1000&n=6998	Indirect	
FSM2001	4	The human being and his environment	Science	Undergraduate	Comprehensive course on human beings and their environment using the systemic approach. Study of the principles of systems and the systems approach. Use of this methodology for understanding the major issues relating to human beings and their environment. Application to a particular sector of the environment, within a quarter job.	https://etudier.ugam.ca/cours?sigle=FSM2001&ga_search=FSM2001&ga_cat=cours	Indirect	
GEO3400	4	Human geography: paradigms and currents of thought	Geography	Undergraduate	This course is an introduction to a critical reading of human geography. It aims to examine how and why this discipline has gone from a largely descriptive natural science having for object of study the relation Man-Nature, to a social science centered on the study of the spatial organization and the logics of the humanized space. The course presents the major currents of thought that have marked geography. It focuses in particular on the most important paradigms, concepts and theories developed by successive generations of geographers in order to account for the constantly changing characteristics of different types of territories (agrarian, rural, urban, tourist, cultural). In addition to the study of fundamental notions such as location, distance, diffusion, geographical scale and socio-spatial representations, this examination of geographical practices makes it possible to review some of the most significant economic, political, social and cultural changes that are taking place. are operated around the world during the twentieth century.	https://etudier.ugam.ca/cours?sigle=GEO3400&ga_search=GEO3400&ga_cat=cours	Indirect	
GEO4032	2	Quebec glacial geomorphology	Geography	Undergraduate	This course aims to draw a portrait of the glacial morphogenetic system and show its importance on several aspects (landscape, resources and constraints) of the natural environment of Quebec. The great glaciations in the history of the Earth. Current glaciers and ice sheets: genesis, physical properties, dynamics, morphology and distribution. The great continental glaciations and the Quaternary stratigraphic framework. Paleogeographic reconstruction of the last glaciation-deglaciation cycle in Quebec. Study of deposits of the glacial morphogenetic system: tills, fluvio-glacial, glaciolacustrine and glaciomarine deposits. Description and genesis of the forms of erosion and glacial accumulation. Notions of glacio-isostasis, glacio-eustatism and morphological consequences. Methods of studying quaternary deposits.	https://etudier.ugam.ca/cours?sigle=GEO4032&ga_search=GEO4032&ga_cat=cours	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
HIS4442	3	History of black Americans	Story	Undergraduate	Analysis of the major stages in the history of African Americans from 1619 to the present day: slavery, emancipation, segregation, desegregation, civil rights. Particular attention will be given to the following themes: bonded labor, black churches and associations, the black family, migration and social advancement, political and intellectual leaders, African-American culture.	https://etudier.ugam.ca/cours?sigle=HIS4442&p=4116	Indirect	
HIS4502	1	Inequalities and Marginalities in Canadian and Quebec History	Story	Undergraduate	The objective of this course is to approach the Quebec and Canadian past from the angle of the social problems that have emerged throughout this history. It will be a question of studying the conditions of appearance and the effects of the processes of marginalization and socio-economic inequalities, along their historical changes. The following will be discussed in particular: the issue of poverty and disease; marginalized populations and their conditions (vagrants, criminals, invalids, etc.), the development of moral standards of behavior; institutions for dealing with social problems, proposed measures of social reform or repression, etc.	https://etudier.ugam.ca/cours?sigle=HIS4502&p=4116	Indirect	
HIS4550	4	History of women in Quebec	Story	Undergraduate	This course aims to retrace the history of women in Quebec from the 16th century to the present day. He wants to introduce students to concepts specific to women's history and to historiographical debates in this field of historical discipline. Among the topics covered: - the daily life of Amerindians and women of French origin in New France; - the impact of the British Conquest on women; - the role of women in the family; - the relationship between women and the state; - relations between women and the Catholic Church; - women's work and trade unionism; - sociability and sexuality; - health and reproduction; - the consumption; - the struggles for political and legal rights and the two "waves" of feminism; - the impact of the two world wars on women.	https://etudier.ugam.ca/cours?sigle=HIS4550&p=4116	Indirect	
HIS4567	2	History of immigration and ethnocultural communities in Quebec	Story	Undergraduate	The major stages in the history of immigration to Quebec placed in the context of the great migrations that have marked the settlement of America since the 17th century. The consequent development of ethnocultural communities (training, establishment in space, organization, etc.). The reception and integration of immigrants and the dynamics of cultural exchanges. Government policies regarding immigration and ethnocultural communities. Minorities and Quebec society.	https://etudier.ugam.ca/cours?sigle=HIS4567&p=4116	Indirect	
HIS4592	3	History of Indigenous Peoples in Canada (up to the 19th century)	Story	Undergraduate	This course traces the history of the Indigenous nations of Canada since the first settlement of America, with particular emphasis on the 17th and 18th centuries. The initial settlement of North America (certainties and hypotheses). Large cultural areas (Arctic, Northeast, Plains ...) and the diversity of indigenous cultures. The first contacts with Europeans, from the 16th century. Franco-Amerindian and Anglo -Amerindian alliances. The great upheavals of the indigenous world (demography, religion, material culture ...).	https://etudier.ugam.ca/cours?sigle=HIS4592&p=4116	Indirect	
HIS4593	7	History of Indigenous Peoples in Canada (since the 19th century)	Story	Undergraduate	This course traces the history of Aboriginal people in Canada since the beginning of the 19th century. Decline in the military importance of the Amerindians after 1815 and end of alliances. Development of a new Indian policy centered on "civilization " and the protection of Native people (guardianship, creation of reserves, treaties, Indian Act, residential schools, etc.). Indigenous political assertion after WWII. The issues, debates and demands since the 1970s (political autonomy, territory, economic development ...).	https://etudier.ugam.ca/cours?sigle=HIS4593&p=6998	Indirect	
HIS4860	1	History of sexual identities in the Western world	Story	Undergraduate	This course aims to familiarize students with the practical and theoretical constructions of sexuality in Western societies. The historical and anthropological approaches, histories of mentalities combined with the use of various sources (literary, biographies, manuals etc.), will allow us to approach the study of the great changes that have marked the history of sexuality and sexual identity. homosexuality in Western societies. We will study the different prescriptions (medical, religious, moral, legal) for men and women, as well as the social and political manifestations of human sexuality. Among the themes addressed: - love relationships between women, love relationships between men, social definitions of love between women and love between men; - definitions and redefinitions of gay, lesbian, bisexual, queer identities; - gender identities; - the political and social movements of homosexuality.	https://etudier.ugam.ca/cours?sigle=HIS4860&p=4116	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
FIRST CYCLE COURSE								
PHI3518	0	Philosophy of economics	Philosophy	Undergraduate	The course aims to introduce the philosophical problems raised by contemporary economic science. The course could focus on the ontology and epistemology of economics; rational choice theory as a theory of economic behavior; the application of economic methods to moral and political questions. The following themes can be addressed: the nature of the theories, models and laws of economics; decision theory, game theory and social choice theory; behavioral economics and neuroeconomics; welfare economics, Pareto optimality, and interpersonal welfare comparisons; theories of economic justice.	https://etudier.uqam.ca/cours?sigle=PHI3518&p=7796	Indirect	
PHI4047	1	Social philosophy	Philosophy	Undergraduate	Introduction to the study of the characteristic philosophical problems of civil society. The course may focus, among other questions, on the genesis of the concept of civil society, on the nature of the social bond, on social organization and the division of labor, on the place of religion in modern societies, on the question alienation, submission to authority and conformism, on social justice, on gender relations, on risk management, on discrimination, collective struggles and identity claims, etc. This "interdisciplinary" course is recognized as an optional course under the two acronyms PHI4047 - Social Philosophy and SOC4047 - Social Philosophy, in the two baccalaureate degrees in philosophy and sociology.	https://etudier.uqam.ca/cours?sigle=PHI4047&p=8384	Indirect	
PHI4336	3	Philosophy and Feminism	Philosophy	Undergraduate	This course offers an introduction to the main issues of contemporary feminist philosophy. We will particularly focus on feminist contributions in epistemology, philosophy of science, political philosophy and ethics. The course will also be able, based on contemporary texts, to tackle more specific questions such as those of the nature / culture distinction, the social construction of sexual differences, parity in the public sphere, or relations between classes, gender and race.	https://etudier.uqam.ca/cours?sigle=PHI4336&p=6510	Indirect	5
PHI4340	0	Human aspects of science and technology	Philosophy	Undergraduate	This course aims to stimulate reflection on the problems that we see when we observe contemporary technoscientific activity from the point of view of a philosophy of man and society and then from the point of view of ethics. . The following aspects of scientific research and technological activity may be addressed: their institutionalization, their rate of growth, their impact on private, social, political or economic life; the values that inspire them, those they convey; difference between their actual practices and their image in the communication media; their place in the management of large social groups.	https://etudier.uqam.ca/cours?sigle=PHI4340&p=8384	Indirect	
PHI4345	0	Social value of science and technology	Philosophy	Undergraduate	Introduction to philosophical reflection on the development of scientific research, its technological applications and all of their social benefits. The relations between science, technology and society from epistemological, ideological and ethical points of view. Epistemological theories of scientific rationality from the point of view of its social value. The main ideologies on science and technology and their respective relationships to power. Ethical theories on the value of scientific rationality in relation to different conceptions of man and different projects of society. The impact of science and technology on the human environment from the point of view of values: the solution of problems and the creation of new problems, the liberation and creation of new bondages, social progress or retreat.	https://etudier.uqam.ca/cours?sigle=PHI4345&p=8384	Indirect	
POL4022	3	Women and development	Political science	Undergraduate	The role of women farmers, workers, artisans, etc. (producers and reproducers) in the development of third world countries. Analysis of the different theoretical approaches on Women and development. After a reminder of the role of women in pre-colonial societies and the impact of colonization on them, after the study of the integration of the labor force of women in the international division of labor, particular attention will be given to focused on women's demands, strategies and organizations. The policies of States and international organizations on the integration of women in development will also be studied.	https://etudier.uqam.ca/cours?sigle=POL4022&p=4014	Indirect	

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FIRST CYCLE COURSE								
POL4102	5	Women and politics	Political science	Undergraduate	Introductory course to the study of the main moments of women's struggle to gain political citizenship: right to vote and to be elected, equal political and social rights in certain countries and more specifically in Quebec. Women's organizations and the contemporary feminist movement, in Quebec in particular, will also be studied from the angle of ideologies, issues and relations with the State as well as the specific demands and political projects put forward. The conceptions of power, state policy and the relationship between the private and the public, conveyed in the contemporary feminist movement will be studied.	https://etudier.ugam.ca/cours?sigle=POL4102&p=4014	Indirect	
POL4212	3	Political ideas and feminism	Political science	Undergraduate	The major currents of political ideas (liberal individualism, Marxism, anarchism ...) which cross feminist thought since the French Revolution. Contribution and contributions of feminism to political ideas and theories. Ideological influences, distancing and empowerment of the specific political reflection of feminism and its evolution up to the present period.	https://etudier.ugam.ca/cours?sigle=POL4212&p=4014	Indirect	
POL4463	3	Transnational indigenous movements	Political science	Undergraduate	The course aims to provide an overview and analysis of the historical and political genesis of the main indigenous movements, their demands and their current political and social impact at the local, national and transnational level; and to study the convergences and divergences with other social movements in Africa, the Americas and Asia.	https://etudier.ugam.ca/cours?sigle=POL4463&p=6850	Indirect	
POL5185	4	Feminism and anti-feminism	Political science	Undergraduate	Following the course, students * should have: (1) knowledge of the history of feminism in the West; (2) historical, empirical, theoretical and conceptual knowledge of anti-feminism as a political thought and force; (3) a general knowledge of the main themes and arguments of anti-feminism; (4) knowledge of feminist authors who have proposed analyzes of anti-feminism; (5) general knowledge of analytical frameworks and feminist concepts available to analyze anti-feminism.	https://etudier.ugam.ca/cours?sigle=POL5185&p=4014	Indirect	
POL6020	4	Social policy on old age	Political science	Undergraduate	The concept of social policy on old age and the demographic, sociological, economic and political determinants of social policy on old age. The mechanisms of social solidarity and in particular intergenerational solidarity. Main characteristics of social programs and services aimed directly and indirectly at the elderly: old age security, guaranteed income supplement, CPP / QPP, tax benefits and tax credits, social assistance, health insurance, reception services in institutions or home care ... Their historical origins, their current characteristics. Critical analysis of recent developments in social policies for old age at the federal and provincial levels.	https://etudier.ugam.ca/cours?sigle=POL6020&p=4402	Indirect	
PSY4150	5	Differential psychology of the sexes	Psychology	Undergraduate	The objectives of this course are: To describe the main trends in the field of the psychology of sexual differences. Raise students' awareness of social issues related to gender roles. Theoretical and methodological aspects of differential psychology of the sexes. Sex differences and individual differences. Socio-environmental and biological factors in the psychological differentiation of the sexes. Effect of gender roles, socialization and living conditions of women and men on their behavior and on their mental health. Critical analysis of traditional models of intervention in psychology. New models of intervention. Redefining traditional sex roles.	https://etudier.ugam.ca/cours?sigle=PSY4150&p=4014	Indirect	
PSY4160	7	Psychology, culture and ethnicity	Psychology	Undergraduate	Introduction to the notion of transcultural, intercultural psychology and to the various conceptions of psychological functioning across cultures. Interethnic relations and communications: discrimination and acculturation. Awareness of the policies and demographic issues of immigration and integration in Quebec and Canada. Individual and collective aspects of migration and exile. Adaptation of theoretical models and measuring instruments of psychology to the pluriethnic and pluricultural context.	https://etudier.ugam.ca/cours?sigle=PSY4160&p=4153	Indirect	

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FIRST CYCLE COURSE								
PSY5740	7	Aging in contemporary society	Psychology	Undergraduate	Introduction to the processes of physical, biological, psychological and emotional aging in today's social and community context. Theories of aging, research plans in gerontology, mental health problems, social pathologies and organic disorders, prevention of psychosocial disorders and psychopathology from a socio-community perspective.	https://etudier.ugam.ca/cours?sigle=PSY5740&p=6379	Indirect	10
REL2623	1	Religion, public space and society	Religious sciences	Undergraduate	This course examines the status of religion in the public space and its consequences for the exercise of citizenship. From a sociological, historical, ethical, political and legal perspective, it examines how this question has been posed and resolved in different societies. It examines the concrete issues (such as the wearing of religious symbols and the presence of religion in public institutions) and the political challenges of exclusion, recognition and / or regulation facing today's societies. It analyzes the various philosophical and socio-political approaches (communitarianism, liberalism, republicanism, etc.) which are expressed and confronted there.	https://etudier.ugam.ca/cours?sigle=REL2623&p=6998	Indirect	10
SCT3010	2	Pedology	Earth and Atmospheric Sciences	Undergraduate	This course should provide a general understanding of soil formation processes, their classification and their importance as a natural resource. - Definition of the soil, history, modern concepts - Profile and horizon , constituents - Physical properties - Chemical properties - Water balance - Biological properties: microflora and microfauna - Pedological prospecting: parental material, landforms, topography, runoff, seepage, water table , erosion, stoniness , types of humus, permafrost, phytosociology, climate, possibilities of use - Classification of soils - Soil regions of Quebec, Canada and the world - Canadian, American, ecological, international systems - Applied mnemotechnics - Morphology - Organic deposits, woody materials, pyrophosphate index, decomposition scale, clay coatings, rhizosphere, porosity, concretions, nodules, degree of reworking - Mineralogy of soils and clays	https://etudier.ugam.ca/cours?sigle=SCT3010&ga_search=SCT3010&ga_cat=cours	Indirect	
SCT4010	0	Quaternary geology	Earth Science	Undergraduate	The objective of this course is the knowledge of the stratigraphic framework of the Quaternary, while insisting on climatic events, particularly cycles of glaciations. Historical summary of events in the recently frozen continental regions. Introduction to the sedimentology of glacial deposits . The reconstitution of the ice sheets and the mechanics of ice. The Pliocene-Pleistocene limit and Quaternary chronostratigraphy. Secondary phenomena (isostasis, eustatism, cryogeology) and the main methods of study. The stratigraphy of glaciations in the center of the American and Eurasian continents. The last interglacial-glacial cycle in eastern America. The stages of deglaciation. The biogeographical history of the Holocene and the arrival of the human species in the Americas. Laboratory (2 hours) and field trips.	https://etudier.ugam.ca/cours?sigle=SCT4010&ga_search=SCT4010&ga_cat=cours	Indirect	
SCT4011	3	Glacial geology	Earth Science	Undergraduate	The objective of this course is the knowledge of the stratigraphic framework of the Quaternary, while insisting on climatic events, particularly cycles of glaciations. Historical summary of events in the recently frozen continental regions. Introduction to the sedimentology of glacial deposits . The reconstitution of the ice sheets and the mechanics of ice. The Pliocene-Pleistocene limit and Quaternary chronostratigraphy. Secondary phenomena (isostasis, eustatism, cryogeology) and the main methods of study. The stratigraphy of glaciations in the center of the American and Eurasian continents. The last interglacial-glacial cycle in eastern America. The stages of deglaciation. The biogeographical history of the Holocene and the arrival of the human species in the Americas. Laboratory (2 hours) and field trips.	https://etudier.ugam.ca/cours?sigle=SCT4011&ga_search=SCT4011&ga_cat=cours	Indirect	
SCT5312	5	Hydrogeology	Earth Science	Undergraduate	Groundwater in the natural hydrological cycle. Typology of aquifers and methods of measuring the physical properties of reservoirs. Calculation of hydraulic loads, piezometric maps and flow networks. Darcy's law and mathematical expressions of groundwater flow. Interpretation of hydraulic tests on wells. Processes affecting the transport of contaminants and vulnerability of groundwater. Solving practical problems related to the exploitation of groundwater using specialized software. Laboratory (2 hours). Field trip (s).	https://etudier.ugam.ca/cours?sigle=SCT5312&ga_search=SCT5312&ga_cat=cours	Indirect	

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FIRST CYCLE COURSE								
SCT5330	2	Geotech	Earth Science	Undergraduate	Application of Earth Sciences and Reconnaissance Techniques to Solve Resource Development and Construction Problems. Mechanical and hydrological properties of rocks. Geotechnical methods for the recognition of rocks and soils, in situ and in the laboratory. Geophysical methods. Improvement of the physical and mechanical characteristics of rocks in the problems of foundation, excavation and underground works (communication routes, canals, hydro-electric installations, maritime works, etc.). Laboratory (1 hour). Field trips.	https://etudier.uqam.ca/cours?sigle=SCT5330&ga_search=SCT5330&ga_cat=cours	Indirect	
SEX1810	1	Sexuality, gender and aging		Undergraduate	The objectives of this course are: to know the main theories relating to sexuality and gender in the context of aging; describe the empirical data and specificities relating to the sexual and gender experience of older adults; develop sensitivity to sexual and gender diversity in the context of aging; develop a critical look at social norms and become aware of their own prejudices in connection with sexuality at an advanced age.	https://etudier.uqam.ca/cours?sigle=SEX1810&p=4402	Indirect	5
SEX3383	3	Sexualities, Gender and Feminisms		Undergraduate	History, definition and critiques of the concept of gender. Different approaches (materialist, queer, transfeminism, black feminism, postcolonial) of gender and sexuality. Feminist approaches and critiques of masculinities. Tensions within feminisms surrounding sexual issues: heterosexuality, marginalized sexuality, pornography and prostitution. Current issues that affect gender and sexualities.	https://etudier.uqam.ca/cours?sigle=SEX3383&p=4014	Indirect	
SHM1111	6	Introduction to social gerontology		Undergraduate	Definition of gerontology in its social, cultural and macroeconomic aspects. Study of the dynamics of social relationships that produce and reproduce the situations experienced, undergone or transformed by aging and / or elderly people. Critical examination of the different currents of thought in social gerontology.	https://etudier.uqam.ca/cours?sigle=SHM1111&p=4402	Indirect	11
SHM4000	7	Homosexuality and society	Social science	Undergraduate	This introductory course aims to gain a better understanding of the historical, social, political, psychological and cultural aspects of lesbian and gay life in Western societies since the mid-19th century. In addition, it aims to offer a general and critical overview of the different approaches and methods used for the analysis of homosexuality. The following subjects will be approached from a multidisciplinary perspective: - the constitution of gay and lesbian identities; - the creation of cultures and social and political movements; - resistance strategies of homosexual communities; - morality, law and religion, science as instances of social regulation; - family and homosexuality; - the living conditions of lesbians and gays and their inclusion in the urban space. This course will be an opportunity to reflect on the production of knowledge on homosexuality (the nature / culture debate, the relationship between gay and lesbian movements, homosexuality and feminism and the development of a field of gay and lesbian studies, etc.).	https://etudier.uqam.ca/cours?sigle=SHM4000&p=6998	Indirect	5
SOC1016	5	Sociology of social relations of sex: an introduction to materialist feminism	Sociology	Undergraduate	This course offers an introduction to materialist feminist sociology. He situates this current with regard to other currents of feminist thought and gives an account of its militant roots. It poses the problem of the very definition of feminism from a sociological point of view, namely that of the historicization of women's struggles, their conditions of production and their political issues. It presents the theoretical and methodological tools of materialist feminism by examining the work of problematizing sex categories undertaken since the 1970s. It analyzes the different conceptualizations developed to rethink: work, bodies, sexuality, reproduction, social representations and symbolic, "nature / culture" relationships. It introduces, finally, the question of the relations that the social relations of sex or gender maintain with other social relations.	https://etudier.uqam.ca/cours?sigle=SOC1016&p=4014	Indirect	
SOC2013	2	Intersectional feminist perspectives	Sociology	Undergraduate	This course is devoted to the paradigm of intersectionality from a feminist perspective. It examines the various debates, theoretical currents and approaches that are developing in this field of research. He returns to the genealogy of the concept of intersectionality, to its definitions and to what they imply theoretically and politically for social movements. It presents the main theories emerging from black feminist, indigenous, third worldist thought and postcolonial and decolonial feminist analyzes. The methodologies deployed to sociologically grasp the dynamics of interweaving of different power relations and systems of oppression will be studied.	https://etudier.uqam.ca/cours?sigle=SOC2013&p=6161	Indirect	

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FIRST CYCLE COURSE								
SOC2051	2	Science, technology and sex	Sociology	Undergraduate	This course presents the analysis of gender relations in science and technology. Presentation of basic concepts concerning the relations of the sexes. Study of the interactions between sex, science and technology. Analysis of the scientific institution; sexuation of disciplines, career models, relational networks, publications. Critical examination of scientific and technical discourses, institutions and practices as a gendered social order, from different approaches to social criticism of sciences and techniques and perspectives developed by feminist analysis. Reflections on the challenges and impacts of transformations in biology, biotechnology, medicine, ICT, concerning gender relations.	https://etudier.uqam.ca/cours?sigle=SOC2051&p=4014	Indirect	
SOC2065	1	Sociology of North-South Relations	Sociology	Undergraduate	This course focuses on the study of the dynamics and mechanisms of relationships between Western societies and societies of the South over the long term, with an emphasis on the processes of European colonization, international aid for the development of humanitarian aid and economic reports. It offers a critical exploration of inegalitarian relationships on a global scale with particular attention paid to social, economic, political and cultural dynamics. The privileged perspective emphasizes the local experiences and impacts of these macrosociological dynamics. Different paradigms will be discussed, including: analysis of the expansion of capitalism and world-system theories; colonization, colonialism and neocolonialism; modernization and developmentalism; the addiction ; neoliberalism and good governance; the transnationalization of the economy and social classes; post-development.	https://etudier.uqam.ca/cours?sigle=SOC2065&p=6161	Indirect	
SOC2071	0	Social movements	Sociology	Undergraduate	This course aims to explore the origins, dynamics and consequences of social movements from a sociological perspective. To these ends, it addresses a set of theories relating to organizations, resources, collective identity, framing of demands, the structure of political opportunities, the role of the media and the practice of democracy within movements. . After an overview of the different concepts and theories, the course will focus on several iconic social movements as well as contemporary mobilizations, such as, among others, the civil rights movement in the United States, the decolonization movements, the women's movement and the student movement.	https://etudier.uqam.ca/cours?sigle=SOC2071&p=6161	Indirect	
SOC2215	2	Sociology, ethics and society	Sociology	Undergraduate	This course offers an exploration of the question of ethics in general sociological theories. It deepens the field and contemporary approaches in sociology of ethics. It examines the social practices and institutions of ethics, and the social configurations of the relationship between ethics and politics. It discusses the responsibility of the sociologist and the question of normativity. It explores the dilemmas and ethical issues of sociological practice and research.	https://etudier.uqam.ca/cours?sigle=SOC2215&p=6161	Indirect	
SOC2800	4	Cultural specificities and aging	Sociology	Undergraduate	Study of the effects of changing mentalities, values and practices on advancing age. Study of the specific problems experienced by allophone elderly people: sponsorship, relationships with the family, the host community and the community of origin. Integration of the elderly in an increasingly intercultural society.	https://etudier.uqam.ca/cours?sigle=SOC2800&p=4402	Indirect	10

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FIRST CYCLE COURSE								
SOC3022	2	Sociology of gender and sexualities	Sociology	Undergraduate	This course aims to acquire a global knowledge of sociology which takes part in multidisciplinary studies of gender and sexualities (history of the discipline, objects, theoretical and methodological tools), as well as empirical knowledge on sexual policies, on relationship to sexuality as well as the speeches on this theme. At the end of the course, the student should be able to understand the different conceptualizations of gender, sexuality and the relationships between sex, gender and sexuality; and to take a reflective and critical look at the political and social issues surrounding the social organization of sexuality and gender. This course deals with the interweaving of the concepts of sex, gender and sexuality, especially from a sociological perspective. By reading and discussing classic and contemporary texts from social studies of sexualities and gender, it offers a space for reflexivity on these categories, their production and their uses in sociology. The course deals with the concepts of gender, sexual identity and sexuality, the relationship between gender and sexuality, the historical and scientific roots of these concepts and the political and social issues that surround them.	https://etudier.ugam.ca/cours?sigle=SOC3022&p=6161	Indirect	
SOC3072	0	Political economy of advanced capitalism	Sociology	Undergraduate	This course offers an introduction to the basic categories of the analysis of capitalism as a "monetary economy of production", first by examining its metabolic inscription and its material dimension, then its class relations, the relations of production (labor, technology, fixed capital, productivity) and distribution, the question of investment and profits in a monopoly economy, competition and divisions of labor (social, gender and international), financial relations and the monetary system , foreign trade and globalization, taxation and the role of the State . The theoretical corpus will be built through a reading of post-Keynesian, Kaleckian , Marxist and feminist authors in political economy and economic sociology and as well as ecological approaches in economic science.	https://etudier.ugam.ca/cours?sigle=SOC3072&p=6379	Indirect	
SOC3114	1	Postcolonial theories and theoretical dialogues with the suds	Sociology	Undergraduate	This course aims to introduce students to postcolonial studies which appeared in the 1980s as a reaction mainly to the cultural heritage left by colonization. First, he explores the precursors of this current by placing it in the sociohistorical and intellectual context that saw its birth. It also opens up to other theoretical approaches and explores epistemological cleavages by appealing to various thinkers from southern societies. The course explores a wide range of critical approaches influenced by Marxist currents (mainly of Althusserian and Gramscian inspiration), poststructuralist (in the framework of Michel Foucault's work), deconstructionist (mainly by appealing to Jacques Derrida and Gilles Deleuze) , psychoanalytic (Lacanian orientation), but also feminists and indigenous people. The common fabric of these critical perspectives rests on questioning and criticizing the discourses that underlie the power structures and imaginaries associated with Westernization.	https://etudier.ugam.ca/cours?sigle=SOC3114&p=6161	Indirect	
SOC3271	7	Deviations and social control	Sociology	Undergraduate	This course proposes to approach the different sociological theorizations which have sought to understand and conceptualize as much the phenomenon of social deviance in its different forms (crimes, social pathologies, marginalities, social transgressions, problematic differences, etc.) as the setting in place and the functioning of various social control devices (contempt, blame, prevention, supervision, rehabilitation, sanction, incrimination, therapy, domination, repression, etc.) supposed to maintain, renew or restore what is meant by social order (reference group, society, community, culture, socio-historical ensemble, system, ecosystem, etc.).	https://etudier.ugam.ca/cours?sigle=SOC3271&p=6379	Indirect	
SOC4047	0	Social philosophy	Sociology	Undergraduate	Introduction to the study of the characteristic philosophical problems of civil society. The course may focus, among other questions, on the genesis of the concept of civil society, on the nature of the social bond, on social organization and the division of labor, on the place of religion in modern societies, on the question alienation, submission to authority and conformism, on social justice, on gender relations, on risk management, on discrimination, collective struggles and identity claims, etc. This "interdisciplinary" course is recognized as an optional course under the two acronyms PHI4047 - Social Philosophy and SOC4047 - Social Philosophy, in the two baccalaureate degrees in philosophy and sociology.	https://etudier.ugam.ca/cours?sigle=SOC4047&p=8384	Indirect	

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FIRST CYCLE COURSE								
SOC6213	14	Immigration, ethnic minorities and interethnic relations	Sociology	Undergraduate	This course aims to acquire theoretical and empirical knowledge in the various fields of the sociology of immigration and the sociology of ethnic relations. This course examines various issues from a theoretical and comparative perspective. Migration flows and globalization. The formation of ethnic and racialized minorities following various historical processes (colonialism, slavery and immigration). Modes of integration. The ideologies of assimilation, multiculturalism, citizenship and transnationalism. Mobilization and ethnic relations. Social construction and the transformation of identities. Discrimination and Racism.	https://etudier.ugam.ca/cours?sigle=SOC6213&p=6379	Indirect	
TRS1035	9	Social policy analysis	Social work	Undergraduate	This course allows students to acquire basic knowledge of the main social policies in force in Quebec and Canada, as well as to use certain key concepts of analysis. It presents the evolution of these policies coupled with that of the welfare state, and discusses certain models elsewhere in the world. Monetary measures (protection and income support) and services (aid, support, specialized services) are examined, through the study of employment insurance and social assistance programs, of the health network and of services. social, social housing and accommodation, as well as policies concerning the family, youth, the elderly, people with disabilities, immigrants. The course examines the effects of policies on the population, on social intervention and on the view we have of the state.	https://etudier.ugam.ca/cours?sigle=TRS1035&p=6998	Indirect	
TRS1205	11	Gender relations, private life and social intervention	Social work	Undergraduate	Study of the main transformations of gender relations that have marked Quebec society since the 1950s, particularly from contemporary feminist writings. Examination of the various realities which have accompanied these changes and which have had an impact on the social construction of the roles and functions exercised by women in the private world (love, sexuality, family, body, identity, etc.) and in public life (work, media, social networks). Critical analysis of the concepts of couple, domestic work, parenthood, conjugal violence, sexual identity, gender expression and feminist intervention in order to develop a current social reflection on gender relations and their articulations in social work.	https://etudier.ugam.ca/cours?sigle=TRS1205&p=6998	Indirect	
TRS2995	0	Adoption, placement and vulnerable childhood	Social work	Undergraduate	This course aims to introduce students to the individual, family, social, cultural and political realities of children placed in a family environment or adopted in Quebec and internationally. The content will specifically address the situations leading to family breakdowns resulting in the placement or adoption of the child. The following will be discussed: the contextual elements (socioeconomic, psychosocial, political and cultural) which surround the separation and / or abandonment of children, which affect their family environment and the response of their community. The analysis presented will be based on knowledge of the laws and application principles that concern the rights of the child in the event of foster or adoptive placement, child protection and the theoretical elements of different disciplines (work social, psychology, law, anthropology) related to it. The issues experienced in the adoptive triad at different stages of people's development (birth parents, children, foster or adoptive parents) will also be addressed. The different types of placement and adoption will be discussed according to their historical development and the studies carried out around their implementation in Quebec. Also, the current transformation of international adoption and the evolution of local placement formulas in developing countries will form the backdrop of the phenomena discussed.	https://etudier.ugam.ca/cours?sigle=TRS2995&p=6998	Indirect	10
TRS3130	5	Social work and youth	Social work	Undergraduate	Definitions of youth. Political-historical contextualization and benchmarks for grasping the construction of youth as a social category. Look at the main laws affecting young people: public education, the law on health and social services, youth protection and youth criminal justice law and the Charter of Human Rights. Analysis of contemporary social problems: school dropout, unemployment, delinquency, suicide, drug addiction, mental health, neglect, cyber addiction, exclusion, poverty, etc. Analysis of intervention models in social work both in institutional (youth center, CISSS,...) and community (youth centers, street work,...). The power of young people in the face of these problems.	https://etudier.ugam.ca/cours?sigle=TRS3130&p=4153	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION	
FIRST CYCLE COURSE									
TRS3150	9	Drug addiction, addiction and psychosocial issues in social work	Social work	Undergraduate	Introduction to the historical, physiological, psychological, cultural and social dimensions of the use of drugs and psychotropic drugs as well as to the phenomenon of the cycle of dependence (to psychotropic drugs, to activities, emotional dependence). Classification of legal and illegal substances, reasons for use, main theoretical models (bio-medical , sociological, cultural, psychosocial), intervention methods and strategies (individual, family, network, harm reduction, anonymous groupings, etc.). A critical approach will be favored to grasp the psychosocial determinants in the creation of conditions of dependence and the avenues of intervention aimed at the empowerment of dependent people and their socio-family network.	https://etudier.uqam.ca/cours?sigle=TRS3150&p=6998	Indirect		
TRS3450	4	Social policies and dependent people	Social work	Undergraduate	Study of social policies that affect dependent people - disabled people, psychiatric patients, elderly people with loss of autonomy, etc. - in particular, policies of deinstitutionalization , home support, integration or social participation. Sociohistorical context of the transformation of the welfare state and examination of the roles and responsibilities currently incumbent on the state, families, communities and the private sector. Examination of the impact of policies on dependents themselves, on families (especially on women) and on intervention staff.	https://etudier.uqam.ca/cours?sigle=TRS3450&p=6998	Indirect		
SOC2013	2	Intersectional feminist perspectives	Sociology	Undergraduate	Understand the concept of intersectionality, its theoretical variations, its challenges, its political implications, its context of emergence and its developments; Familiarize yourself with the critical theories emerging from anti-racist and decolonial feminist struggles ; Know the epistemological and methodological contributions of intersectional feminist approaches to sociology.	https://etudier.uqam.ca/cours?sigle=SOC2013&ga_search=SOC2013&ga_cat=cours	Indirect		
SOC2014	4	Queer sociology	Sociology	Undergraduate	Know the major queer theoretical currents and the socio-political context of their production; Become familiar with the treatment of sexualities in the field of sociology and understand the possible articulations of body / gender / races / sexualities; Address a variety of political mobilizations in dialogue with the queer, including feminist perspectives.	https://etudier.uqam.ca/cours?sigle=SOC2014&ga_search=SOC2014&ga_cat=cours	Indirect		
TOTAL :	309	Number of courses given being indirectly linked to eco-responsibility (sustainability inclusive courses)							

List of Sustainability focused courses - 2017 to 2020 - Graduate cycles

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
EGE10	0	Field trip	Environmental sciences	Graduate	Course provided by the University of Orléans The objective of this excursion is to make students aware of the importance of the mineral industry in France and of work in these companies. For Quebec students, this will be an opportunity to approach another mineral resource management system and an industrial mode of operation different from that of Quebec. The excursion will include visits and studies of industrial production and mineral resource development sites: daily tasks, operating policy, industrial mineral use sectors. An excursion report will be produced.	https://etudier.uqam.ca/cours?sigle=EGE10&ga_search=EGE10&ga_cat=cours	Focused	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
BIO8190	0	Plant ecology	Biological sciences	Graduate	Study of problems, hypotheses and theories in plant ecology at the levels of plant populations and communities. The topics covered will be chosen according to the research interests of the participating students.	https://etudier.uqam.ca/cours?sigle=BIO8190&ga_search=BIO8190&ga_cat=cours	Focused	15
BIO8340	0	Selected chapters in environmental biology	Biological sciences	Graduate	Study of environmental problems in relation to biology and based on research carried out in the department.	https://etudier.uqam.ca/cours?sigle=BIO8340&ga_search=BIO8340&ga_cat=cours	Focused	15
BIO8360	0	Biological control	Biological sciences	Graduate	History and ecological bases of biological control. Biology of predatory, parasitic and pathogenic organisms. Methodology: prospecting, introduction and acclimatization. Conservation, enhancement and evaluation of the effectiveness of natural enemies. Biological control of forest and crop pests, weeds, vectors of medical and veterinary importance and mammals. Biological control as a component of integrated control.	https://etudier.uqam.ca/cours?sigle=BIO8360&ga_search=BIO8360&ga_cat=cours	Focused	15
BIO860X	2	Thematic seminar in ecology	Biological sciences	Graduate	Variable content course on ecology. This course will allow students to take stock of a particular aspect of the targeted field.	https://etudier.uqam.ca/cours?sigle=BIO860X&ga_search=BIO860X&ga_cat=cours	Focused	15
BIO8850	1	Cutting-edge topics in ecology	Biological sciences	Graduate	Presentation of cutting-edge ecological concepts by ecology professors; discussion of articles relevant to the selected themes.	https://etudier.uqam.ca/cours?sigle=BIO8850&ga_search=BIO8850&ga_cat=cours	Focused	15
CHI7560	2	Environmental toxicology	Chemistry	Graduate	This course deals with the importance of toxicology in protecting human health and that of ecosystem organisms from environmental contaminants. It introduces the concepts of classical toxicology, which studies the response of individual organisms, and the use of experimental and epidemiological data in the assessment of risk to human health. The course develops the concepts specific to the study of the effects of toxicants in ecosystems where the impact on populations of organisms must be considered. He discusses the ecological risk assessment posed by environmental toxins.	https://etudier.uqam.ca/cours?sigle=CHI7560&ga_search=CHI7560&ga_cat=cours	Focused	12
CHI8100	1	Sensors and biosensors	Science	Graduate	This course aims to expose students to the field of sensors and biosensors, their design, manufacture and uses. Transduction methods involved in the detection and amplification of chemical sensors and biosensors. Design of polymeric, enzymatic and potentiometric sensors, their characterization and miniaturization. Use of sensors in different analytical techniques, in electrochemistry and in fluorescence and Raman spectroscopy. Discussion of recent applications of sensors and biosensors in the fields of environment, materials and biology.	https://etudier.uqam.ca/cours?sigle=CHI8100&ga_search=CHI8100&ga_cat=cours	Focused	9
COM7201	3	Challenges and organizational actors in a globalized society		Graduate	This course aims to situate organizations in their different environments (internal and external, local and global) as well as to analyze various types of issues likely to affect them in a context of globalization. The student will be led to understand the organization as a social actor and to deepen the notion of stake by examining how organizations apprehend emerging social values and interact with the society in which they evolve: new trends, social pressures, management of their relations with their stakeholders, etc. This course aims to familiarize the student with the dual perspective of issue management and responsible communications allowing the organization to listen and be heard, to influence and to be influenced in return.	https://etudier.uqam.ca/cours?sigle=COM7201&p=0485	Focused	16

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
COM7202	3	Governance, stakeholders and communication ethics	Communication	Graduate	The objective of this course is to identify the communicational approaches related to the social responsibilities of organizations in general, and to the dimensions of sustainable development in particular. It aims to make the student able to identify the issues related to the governance of organizations and communications with their various stakeholders. This course allows the acquisition of basic knowledge on the processes of organizational communication according to the ethical approaches serving as a basis for the realization of the social responsibilities of organizations, as well as NPOs, public or private organizations, companies and associations. . The roles of social networks in the process of media coverage of social issues will also be discussed.	https://etudier.uqam.ca/cours?sigle=COM7202&ga_search=COM7202&ga_cat=cours	Focused	
DDD8530	3	Environmental education: theories and practices	Education and pedagogy	Graduate	The objectives of this course are to clarify the environmental, social and educational relevance of environmental education (ERE), to characterize various designs and practices, and to acquire pedagogical design tools in order to promote the design. relevant interventions. Observations on the history and current issues of ERE. Reflections on the role of this dimension of basic education with regard to the development of responsible societies. Analysis of the main basic concepts, including environment, education and development. Exploration of the diversity of the theories and practices of ERE in formal and non-formal education. Critical analysis of approaches, strategies and intervention models. Clarification, comparison and enrichment of the foundations and pedagogical choices which characterize their own practice and / or which will determine their own interventions in a particular context.	https://etudier.uqam.ca/cours?sigle=DDD8530&p=0192	Focused	13 4
DDD8531	4	Environmental education: the intervention	Education and pedagogy	Graduate	This course aims to practice the design, planning, implementation and evaluation of an environmental education project (ERE), in order to develop an analytical perspective and criticism of the intervention and to further develop a praxic theory of ERE. Educational action project, program or material design, critical case study or other types of project. Identification and critical exploration of structures and resources likely to support, inspire or enrich the ERE intervention. Exploration of the different principles, issues and strategies related to animation, communication and partnership in ERE. Clarification of the role of evaluation at the heart of the intervention. Clarification of the links between research, intervention and training: the importance of integrating a reflective dimension into educational action. The activities of this course are spread over two consecutive quarters in order to allow the optimal development of the project.	https://etudier.uqam.ca/cours?sigle=DDD8531&p=0192	Focused	13 4
DES8001	3	Environmental design and sustainable culture	Design	Graduate	Integration course aimed at deepening knowledge of contemporary issues in the field of environmental design and issues of sustainable culture. Synthesis of the main currents of thought on environmental design and the contribution of various disciplines to this field of practice, through the critical analysis of some of its founding texts. Reflection on the extended role of the designer of the environment in the light of contemporary issues and in the perspective of sustainable culture. Presentations by visiting professors and specialists and discussions centered around concepts such as: - design and sustainable development; - design and lifestyles; - design and technology; - design and temporality; - design and process; - design and mass production; - design ethics; - design and commercial culture. The final work of the course will take the form of individual research on a particular aspect of sustainable culture in connection with environmental design, and based on in-depth theoretical and critical reflection.	https://etudier.uqam.ca/cours?sigle=DES8001&ga_search=DES8001&ga_cat=cours	Focused	12
DES8002	3	Workshop: Environmental design and proximity	Design	Graduate	Integration workshop aimed at deepening knowledge relating to contemporary issues in design through thematic projects linked to the notion of proximity. The workshop emphasizes the formulation of solutions presented in the form of use scenarios by recommending interventions affecting lifestyle. The work is carried out by teams made up of students from the two profiles of the program. Examples of topics covered in the projects include: urban recycling; the challenges posed by the aging of the population on the design of local environments; the production and lifespan of the objects; contemporary ways of living; collective neighborhood services.	https://etudier.uqam.ca/cours?sigle=DES8002&ga_search=DES8002&ga_cat=cours	Focused	12

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GRADUATE COURSES								
DID8530	0	Environmental education: theories and practices	Education and pedagogy	Graduate	The objectives of this course are to clarify the environmental, social and educational relevance of environmental education (ERE), to characterize various designs and practices, and to acquire pedagogical design tools in order to promote the design. relevant interventions. Observations on the history and current issues of ERE. Reflections on the role of this dimension of basic education with regard to the development of responsible societies. Analysis of the main basic concepts, including environment, education and development. Exploration of the diversity of the theories and practices of ERE in formal and non-formal education. Critical analysis of approaches, strategies and intervention models. Clarification, comparison and enrichment of the foundations and pedagogical choices which characterize their own practice and / or which will determine their own interventions in a particular context.	https://etudier.ugam.ca/cours?sigle=DID8530&ga_search=DID8530&ga_cat=cours	Focused	13 4
DID8531	0	Environmental education: the intervention	Education and pedagogy	Graduate	This course aims to practice the design, planning, implementation and evaluation of an environmental education project (ERE), in order to develop an analytical perspective and criticism of the intervention and to further develop a praxic theory of ERE. Educational action project, program or material design, critical case study or other types of project. Identification and critical exploration of structures and resources likely to support, inspire or enrich the ERE intervention. Exploration of the different principles, issues and strategies related to animation, communication and partnership in ERE. Clarification of the role of evaluation at the heart of the intervention. Clarification of the links between research, intervention and training: the importance of integrating a reflective dimension into educational action.	https://etudier.ugam.ca/cours?sigle=DID8531&ga_search=DID8531&ga_cat=cours	Focused	4 13
DSR7610	3	Foundations, theories and practices of social responsibility and sustainable development	Management sciences	Graduate	This course aims to present the concepts underlying social responsibility and sustainable development policies and strategies. It is for the student to understand not only the history and the definition of the concepts of social responsibility, sustainable development and those which are related to them, but also the tensions which animate the various social actors around their definition, as well as their concrete involvement at the time of decision-making. At the end of this course, the student will have acquired a conceptual and theoretical knowledge of social responsibility and sustainable development sufficient to develop his own reading grid and adopt a critical position allowing him not only to assess the relevance and quality of policies and strategies based on these concepts, but also to develop in general or in a particular sector, a perspective and courses of action that are specific to it.	https://etudier.ugam.ca/cours?sigle=DSR7610&p=0485	Focused	12
DSR7620	3	Product and service life cycle analysis: theories and applications	Environmental sciences	Graduate	This course introduces the concept of "life cycle thinking" and life cycle analysis (LCA). It aims to make the student able to grasp the place occupied by LCA among the tools of sustainable development and the social responsibility of organizations as well as to use the results in an appropriate manner. This course allows the acquisition of basic knowledge related to the planning, realization and evaluation of an environmental analysis of the life cycle of a product or service from the extraction of raw materials to the 'waste disposal. LCA will be seen in both its environmental and social dimensions. Emphasis will be placed on the different ways of communicating the results of an LCA and many examples will be used.	https://etudier.ugam.ca/cours?sigle=DSR7620&ga_search=DSR7620&ga_cat=cours	Focused	12

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GRADUATE COURSES								
DSR8222	4	Climate change, business and society	Environmental sciences	Graduate	The course will present the strategic issues facing organizations in the regulatory context resulting from international climate negotiations and in the context of emerging standardization combining public policies and private initiatives around the carbon market. The course will address socio-economic issues, such as adaptation to climate change and climate justice, and will develop an analysis of the socio-technical changes underway in the context of the transition to a low-carbon economy. At the end of the course, the student will have a good knowledge of the major economic and social issues related to climate change, he will be able to identify the tools available to organizations and companies to integrate the fight against climate change into their strategy, in particular the market. carbon, and he will master these tools.	https://etudier.uqam.ca/cours?sigle=DSR8222&ga_search=DSR8222&ga_cat=cours	Focused	13
DSR8402	4	Socio-economic context of the company	Environmental sciences	Graduate	Develop in the student an integrated understanding of the relationships between organizations and their socioeconomic context. Acquire knowledge on management approaches and develop skills to manage in a context of uncertainty. Examination of the relations between the company and the socio-economic framework in which it is inserted. Legal and constitutional framework; state control of the enterprise; justice and equity; language problems; anti-trust policy; social responsibility of leaders; corporate governance.	https://etudier.uqam.ca/cours?sigle=DSR8402&ga_search=DSR8402&ga_cat=cours	Focused	13
DSR8406	3	Governance and management of fiduciary and social, ethical and environmental risks	Environmental sciences	Graduate	Concretely associate the concepts of social responsibility and sustainable development with decision-making and risk management tools that can improve the governance of both private and public sector organizations. This course presents the legal and regulatory framework of the Canadian financial system: - powers and characteristics of financial institutions; - payment systems; - control and surveillance bodies; - comparative analysis with other types of system. Company structures and governance issues: - shareholder theory and partner theory; - intervention of capital allocators; - corporate legal and social responsibility. Ethics, law and deontology: - fiduciary responsibility, duty of care, insider trading, conflict of interest; - control and supervision of financial institutions; - financial ethics and innovation.	https://etudier.uqam.ca/cours?sigle=DSR8406&ga_search=DSR8406&ga_cat=cours	Focused	13
DSR8407	5	International management: strategy, innovation, cultures and ecosystems	Environmental sciences	Graduate	At the end of this course the student will be able to understand and meet the challenges of international management in terms of innovation and management of cultural diversity in new globalized business ecosystems. This course is based on a long-term eco-systemic vision which takes into account both economic and socio-cultural dimensions in an international context. The course defines cultural management from different anthropological works on the concept of "culture", illustrates the complexity of management in the context of open and interdependent networks and is based on various case studies to understand the dynamics resulting from games. strategic organizations in a context of globalized economic exchanges. Several concepts will be discussed, such as cultural differences, innovation, co-opetition , industrial clusters.	https://etudier.uqam.ca/cours?sigle=DSR8407&ga_search=DSR8407&ga_cat=cours	Focused	
DSR8414	0	Major planetary challenges: roles and responsibilities of organizations	Environmental sciences	Graduate	The Grand Challenges represent large-scale, complex, urgent and persistent societal and environmental challenges such as the climate crisis, poverty and inequalities, mass migration, fiscal inequities, populism and post-consumer trends. -truth, overall health, algorithmization . The general objective of this course is to put students in touch with this notion of Grand Challenges in a pedagogical formula that promotes awareness of the scope, acuity and complexity of these challenges. More specifically, the student will have the opportunity: (1) to acquire general knowledge on the notion of Grand Challenges; (2) to explore the issues related to a certain number of these major current challenges (which will evolve according to the global context and according to the research results of teachers); (3) to develop a critical reflection on the roles and responsibilities of organizations (of multiple forms, private and public) in the genesis, reproduction and potential solutions to these challenges.	https://etudier.uqam.ca/cours?sigle=DSR8414&ga_search=DSR8414&ga_cat=cours	Focused	13

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GRADUATE COURSES								
ECO8010	1	Benefit-cost analysis	Economic science	Graduate	Theory and practice of benefit-cost analysis as a support for decision-making in private and public investments, social programs, pricing, taxation, regulation and development projects. Case study such as: environmental policies and management, management of non-renewable natural resources, evaluation of social programs, industrial modernization program.	https://etudier.ugam.ca/cours?sigle=ECO8010&ga_search=ECO8010&ga_cat=cours	Focused	13
ECO8071	3	Economics of natural resources and the environment	Economic science	Graduate	Application of capital theory and dynamic analytical methods to the economics of natural resources and the environment. Optimal management criteria in the case of renewable resources, exhaustible or not, and non-renewable resources. Case analyzes, according to the interests of the participants: fisheries and forests, mines, pollution, water conservation, etc. Study of specific themes: taxation of polluting activities, natural resources and sustainable development, evaluation of resource rents and applications to "green" national accounts. trade and development of resource-intensive economies, etc.	https://etudier.ugam.ca/cours?sigle=ECO8071&ga_search=ECO8071&ga_cat=cours	Focused	13
EGE7	0	Environmental management in mines and quarries,	Environmental sciences	Graduate	Course provided by the University of Orléans The course aims to gain in-depth knowledge of the environmental aspects linked to the establishment, life and closure of a mineral resource exploitation site. It will deal with the following themes: Nature, characterization tests and evolution over time of mining and metallurgical cuttings. Pollution of water and soil by air discharges from metallurgy. Environmental risks linked to the oxidation of sulphides (acid drainage): impacts on the biosphere and water quality. Rehabilitation of old mining sites (case studies). Internalization of the environmental constraint in the exploitation of open-cast quarries (case studies). Technical centers for landfilling final waste or inert materials.	https://etudier.ugam.ca/cours?sigle=EGE7&ga_search=EGE7&ga_cat=cours	Focused	15
ENV7010	3	Forest ecosystem management	Environmental sciences	Graduate	Learn about a forest management approach based on the enhancement and preservation of forest ecosystems. To be able to assess the impact of silvicultural strategies on wildlife habitats, biodiversity and ecosystem integrity. The natural dynamics of different forest ecosystems (natural disturbance regimes, forest regeneration) and their importance in maintaining wildlife habitats, biodiversity and the ecological integrity of ecosystems. These concepts will be compared to strategies for developing forest and wildlife resources. The impacts of these strategies on the habitat scale and on the forest mosaic scale are assessed.	https://etudier.ugam.ca/cours?sigle=ENV7010&ga_search=ENV7010&ga_cat=cours	Focused	15
ENV7020	0	Intervention and protection of biophysical resources in forests	Environmental sciences	Graduate	Acquire the notions of pedology and hydrology and the methodological foundations necessary for the apprehension, evaluation and mitigation of the impacts of forest operations on soil productivity and on the quality and flow of water. Quebec and Canadian forest management methods, past, present and future, as well as the main silvicultural interventions. Review of the concepts of degradation, resistance and resilience of ecosystems. The concepts of pedology and hydrology will be acquired through a review of the different definitions of soil: soil as substrate, soil as an element of the nutrient cycle and the hydrological cycle, soil as an integrator of the other biophysical components of the environment. The mechanisms involved in compaction, rutting, erosion, loss of nutrients through leaching and exporting, as well as in soil acidification; the impacts of operations on the flow of watercourses. Critical review of evaluation methods and data from various studies. Application of the concepts developed in the course to the evaluation of the potentials and constraints of ecosystems in forest management.	https://etudier.ugam.ca/cours?sigle=ENV7020&ga_search=ENV7020&ga_cat=cours	Focused	15

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GRADUATE COURSES								
ENV7060	0	Intervention methods and socioeconomic analyzes	Environmental sciences	Graduate	This course aims to allow the student to define an intervention project in the local or micro-regional forest environment, to determine the steps to follow and to allow a reflexive deepening on the local development in forest environment within the framework of a supervision. effective intervention projects. Projection and planning stages of any intervention action. Definition of objectives and means of intervention. Objectives validation procedure. Elements of comparison between the concepts of local development and forestry development. Analysis of local situations in a forest environment. Local development as an intervention technique in the service of forestry development. Instrumentation for the intervention. Presentations. Communication. Scenarios. Project development workshops and feedback survey.	https://etudier.ugam.ca/cours?sigle=ENV7060&ga_search=ENV7060&ga_cat=cours	Focused	15
ENV7070	0	Forestry decision analysis techniques and methods	Environmental sciences	Graduate	To allow the student to develop skills of modeling real and complex problems of decision making in forestry. Know the analytical techniques that will be useful for integrated resource management. Decision support methodology. Helping to make decisions in a context of uncertainty and in the face of risk. Forestry resource planning models. The FORPLAN, DYNAST-MB, TEAMS, Plan TS and FORMAN models. Help with the decision facing multiple criteria. The cases and applications of decision-making models in forestry	https://etudier.ugam.ca/cours?sigle=ENV7070&ga_search=ENV7070&ga_cat=cours	Focused	15
ENV7100	1	Environmental Law	Environmental sciences	Graduate	This course has two complementary objectives: critical knowledge of the social framework of environmental judicialization and the analysis of conventions, laws and regulations specific to different areas of the environment. Environmental issues and law: status, approaches and methods. Legal instruments and the environment. Ecosystem approach and law: overlaps of legislative powers, duplication and loopholes. Principles and legal means of pollution control and biodiversity conservation. Study and analysis of international conventions, federal and Quebec laws and regulations specific to certain fields of environmental sciences.	https://etudier.ugam.ca/cours?sigle=ENV7100&ga_search=ENV7100&ga_cat=cours	Focused	13 16
ENV7110	3	Environmental impact assessment	Environmental sciences	Graduate	This course aims to familiarize the student with the process and methods used to organize, carry out and analyze an environmental impact assessment (EIA) of a project, program or policy. Role and place of EIA in planning processes and in the project cycle. Stages and constituent elements of the process: planning, identification of impacts, impact assessment, EIA report, environmental monitoring. Study of techniques for evaluating expected impacts; their advantages and limitations. Federal and provincial procedures for accepting a project. EIA in an international context, particularly in the case of developing countries. Application of the different concepts to concrete and topical examples drawn from the North American and international reality .	https://etudier.ugam.ca/cours?sigle=ENV7110&ga_search=ENV7110&ga_cat=cours	Focused	11 12 13
ENV7120	3	Environmental management in organizations	Environmental Sciences (Institute)	Graduate	This course aims to prepare students to become effective stakeholders in environmental management within various organizations of society. Integration of environmental concerns by organizations: mission of companies and institutions, organizational structures, environmental policy, decision-making, management methods and role of partners. Environmental management tools: training, communication, control of operations, audit or environmental verification procedures, performance indicators and continuous improvement process. Competition, balance of power and solidarity in the context of market globalization. International standards and ISO 14,000 certification.	https://etudier.ugam.ca/cours?sigle=ENV7120&ga_search=ENV7120&ga_cat=cours	Focused	11 12 13
ENV7151	3	Management of environmental crises and disasters	Environmental sciences	Graduate	The objective of this course is to develop a systemic understanding of the phenomena of environmental crises and catastrophes. The various crisis management subsystems: risk and issue management; planning of interventions; organizational structures; management of communications and relations with stakeholders; developing an organizational culture and crisis management skills; the mechanisms for returning to normal. The course emphasizes in-depth understanding of threats and how to reduce the vulnerability of communities taking into account their environment.	https://etudier.ugam.ca/cours?sigle=ENV7151&ga_search=ENV7151&ga_cat=cours	Focused	13

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GRADUATE COURSES								
ENV7160	0	Data processing in the environment	Environmental sciences	Graduate	Develop the capacity to collect, process and analyze data in the environment Importance of the choice of a methodological approach. Development of questionnaires and other forms of data collection. Characteristics of measurement tools (sensitivity, reliability, reproducibility). Sampling plan and scales. Data entry and validation. Choice of estimators. Bi- and multivariate statistics. Examples from environmental sciences.	https://etudier.ugam.ca/cours?sigle=ENV7160&ga_search=ENV7160&ga_cat=cours	Focused	11 12 13
ENV7200	2	Health and environment	Environmental sciences	Graduate	This course aims to deepen the interactions between the physical, chemical, biological and social environment and human health. Research principles in environmental and occupational health. The living and working environment in the more global issue of the environment. From well-being to illness: the continuum of health deterioration linked to environmental and industrial pollutants. Effect of chemicals and ionizing and non-ionizing radiation on the human body. Effect of the environment on the body's defenses. Interactions between internal and external pollution of a company. Cancer and the environment. Environmental and occupational health prevention.	https://etudier.ugam.ca/cours?sigle=ENV7200&ga_search=ENV7200&ga_cat=cours	Focused	3
ENV7330		Management of industrial waste and contaminated sites	Environmental sciences	Graduate	This course aims to develop the ability to solve problems generated by industrial waste, including site contamination. Origin, nature and characterization of industrial waste. Contamination of the atmosphere, soil and surface and groundwater, accidental or not. Quebec and federal regulations. Site characterization: sampling procedures, in situ and laboratory analyzes. Methods and techniques for treating contaminated sites. Practices aimed at prevention.	https://etudier.ugam.ca/cours?sigle=ENV7330&ga_search=ENV7330&ga_cat=cours	Focused	12
ENV7331	1	Residual materials and contaminated sites	Environmental sciences	Graduate	The objective of this course is to develop the ability to analyze and solve the problems generated by residual materials and contaminated sites. Characterization of residual materials and contaminated sites. Recovery and recycling potentials. Regulations and assistance programs. Storage and containment sites, geological and hydrological limitations. In situ sampling and analysis procedures. Leaching control. Biogas. Radioactivity. Mine drainage. Odor nuisance. Dispersion. Biomedical waste. Technological solutions. Pretreatment. Treatments: biological, chemical, physicochemical, thermal, encapsulation, accelerated natural attenuation, co - composting and polishing. Fertilizing residual materials. Prevention practices, case studies: design, implementation, follow-up. Field trips.	https://etudier.ugam.ca/cours?sigle=ENV7331&ga_search=ENV7331&ga_cat=cours	Focused	12
ENV7410	0	Sociopolitical analysis of environmental issues	Environmental sciences	Graduate	This course aims to deepen the understanding of the social dimension of environmental issues from a resolving perspective. Evolution of economic and environmental policies and programs in a context of globalization and review of national and international institutions that support them. Sectors of influence, nature of intervention powers. Appropriation of resources and democracy. Neoliberal thought and its implications for environmental management. The evolution of the private / public sector relationship with regard to the environment. Empirical analysis of the main social and political forces present in different types of environmental controversies. Problem solving strategies: consultation, concertation, mediation.	https://etudier.ugam.ca/cours?sigle=ENV7410&ga_search=ENV7410&ga_cat=cours	Focused	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
ENV7505	0	Service offer project	Environmental sciences	Graduate	The objective of this course is to concretize the acquired knowledge drawn from ENV7030 - Elements of epistemology, ENV7040 - The scientific method (except program) and ENV7515 - Process of development of an intervention project. The objective of this activity is to ensure that the student is ready to intervene in the labor market. The student must submit a draft service offer for an employer or a virtual client on an issue of his choice, normally at the end of his second term. The success of this activity is prior to the submission of the test. This course will be evaluated on a pass / fail score.	https://etudier.ugam.ca/cours?sigle=ENV7505&ga_search=ENV7505&ga_cat=cours	Focused	
ENV7801	3	The environment: knowledge and strategies	Environmental sciences	Graduate	This course aims to help develop in the student skills relating to the task of coordinator, facilitator, trainer or advisor in environmental matters. Exploration of different strategies for understanding the environmental reality, problem solving and environmental management, at local, regional and global scales. Critical case studies of environmental issues and intervention approaches. Analysis of eco-development practices. Characterization of the main issues related to environmental information and communication. Reflection on the characteristics and role of community participation. Development of environmental training plans.	https://etudier.ugam.ca/cours?sigle=ENV7801&ga_search=ENV7801&ga_cat=cours	Focused	16
EUR8230	3	Local and community development in urban areas	Urban and tourism studies	Graduate	This course aims to deepen a reflection on the taking charge of their development by local communities in urban areas. Critical analysis of theories concerning local communities, community development and local development in the context of cities in northern countries with an opening to southern countries. Examination of various concepts allowing the analysis of the involvement of local communities in the urban development process: social movements, social economy, citizen participation, territorial governance, local democracy, etc. Evaluation of local and community development strategies. Study of local and community development practices.	https://etudier.ugam.ca/cours?sigle=EUR8230&ga_search=EUR8230&ga_cat=cours	Focused	16 17
EUR8232	0	Transformation of the urban environment and quality of life	Urban and tourism studies	Graduate	This course aims, with the help of lectures and discussions, to deepen notions relating to the urban environment and the quality of life in the city. The major urban planning movements and the place of nature in the organization of cities. Urbanization and environment. Retrospective of the main approaches to the urban environment: ecological, ecosystem, planner. Sustainable or viable city projects. Environmental governance in different contexts. Quality of life and environmental indicators. The problem of qualitative measurements. The differentiated perceptions of nature in the city. The social issues of nature in the city: NIMBY syndrome, social debates. Restoration of degraded environments.	https://etudier.ugam.ca/cours?sigle=EUR8232&ga_search=EUR8232&ga_cat=cours	Focused	11
EUR8458	2	Transport and urban change	Urban and tourism studies	Graduate	This course aims to deepen knowledge of passenger transport in urban areas. Study of the socio-economic factors that generate transport demand and its long-term evolution from a planning perspective. Analysis of the dynamic urban-transport-urbanization functions, of the urban form (sprawling or dense) and of the transport-communications interrelations. Inventory of current infrastructure and equipment and assessment of their degree of use and possibilities to influence behavior through demand management measures. Problem of the integration of modes and use of public transport vs. the individual car and environmental impacts. Elements of international comparison between countries of the North and countries of the South through case studies.	https://etudier.ugam.ca/cours?sigle=EUR8458&ga_search=EUR8458&ga_cat=cours	Focused	11

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GRADUATE COURSES								
EUR8462	0	Environmental assessment and impact studies in urban areas	Urban and tourism studies	Graduate	This course aims to deepen various aspects of the urban environment. Analysis of the built, natural and agricultural environments; inventory of water, air and soil resources and assessment of their modes of use and disposal; identification of major environmental protection problems; establishment of social costs attributable to the degradation of resources; risk analysis and environmental emergency; appreciation of the price of a healthy environment; study of the principles and tools of management and control of resources and environments; methods of environmental assessment and impact studies in urban areas in industrialized and developing countries.	https://etudier.ugam.ca/cours?sigle=EUR8462&ga_search=EUR8462&ga_cat=cours	Focused	11
EUR8513	1	Heritage and local development.	Urban and tourism studies	Graduate	This seminar aims to understand how heritage must and can support local development, whether as a permanent agent of urban space or as a lever for social and economic development, and, more generally, to encourage reflection on the processes and results of meaningful investment in the human environment. The seminar thus aims to enable students to understand heritage as a social representation and as a political issue, to consider the mechanisms and potentials of the action of public authorities in the matter, to know and analyze development cases. based on heritage and to assess heritage projects in the light of their economic and social issues.	https://etudier.ugam.ca/cours?sigle=EUR8513&ga_search=EUR8513&ga_cat=cours	Focused	11
EUT7012	0	Theory and practice of local development and institutional framework	Urban and tourism studies	Graduate	In addition to exposing the theoretical foundations of local development, the course will emphasize methods, plans and implementation strategies work . Local development calls for expertise focused on the establishment of an environment conducive to development initiatives, the emergence of project leaders and support operations to ensure the realization of projects. The concepts of animation, mobilization, endogenous development, partnership, entrepreneurship , community action, formal and informal networks, innovation and solidarity will be discussed. Application cases taken in Quebec and abroad will be analyzed to illustrate the different stages of the process. The institutional framework in which local development practices are practiced in Quebec will also be presented.	https://etudier.ugam.ca/cours?sigle=EUT7012&p=1846	Focused	16
FCM7701	0	Disability and deafness : communication, research and action strategies		Graduate	This course aims to introduce students to the diverse realities of disabled or deaf people; provide an overview of the historical, sociological, communicational, cultural and linguistic dimensions of these minority communities; allow an understanding of different paradigms (medical, social and socio-subjective models of disability; cultural and linguistic approaches to deaf culture); to deepen the understanding of the "by, for and with" approaches giving a central place to disabled and deaf people as main actors in the definition of the needs and the necessary actions in terms of social transformations concerning them and; develop a critical mind and posture vis-à-vis communication, research and action in the field of equity, diversity and inclusion.	https://etudier.ugam.ca/cours?sigle=FCM7701&p=9024	Focused	

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GRADUATE COURSES								
FCM8000	0	Rights, citizenship and disability: strategies for emancipation		Graduate	The purpose of this course is to enable graduate students and interveners in community action or public service circles to develop the knowledge, skills and attitudes necessary for the recognition, promotion and to the exercise of the rights of people with disabilities. At the end of the course, they will have a better understanding of the situation and the conditions for exercising the rights of people with disabilities and will be more familiar with several intervention and research strategies aimed at their emancipation. These individual, collective or public emancipation strategies involve partners from the world of intervention, research and the community. They are innovative and bring about change. The rights-based approach is one of the most powerful tools that contemporary states have equipped themselves with, and that marginalized groups also use to fight exclusion and discrimination. From this perspective, the emancipation of people corresponds to the appropriation and exercise of universal rights as formulated in the Universal Declaration of Human Rights and taken up more explicitly in the United Nations Convention on the Rights of Human Rights. People with Disabilities. The course is structured around a series of tripartite workshops (academia, professional, community) focusing on three main categories of rights. The workshops address the situation of individuals and strategies relating to civil rights, cultural, social, economic and political rights. The specific rights discussed in the various workshops appear as major issues from the point of view of people with disabilities and are the subject of new practices, innovative interventions or emancipatory research. Education for democratic citizenship and the ethics of citizenship, as the basis for the engagement of the various actors concerned, will also be the subject of presentations and tripartite discussions.	https://etudier.ugam.ca/cours?sigle=FCM8000&p=9024	Focused	3
GDF7020	0	Project management: application to the sustainable management of the natural environment	Environmental sciences	Graduate	Understand the progress of a project related to the management of natural resources. Identify and characterize the main stages for different types of project. Through a condensed content of the field of project management, identification of the particular factors of the integrated management of natural resources requiring an adaptation of the classic approach of project management. Analysis of integrated management models for natural resources, mainly from boreal and temperate zones. Development and presentation of a preliminary study for an integrated management project to be undertaken in a subsequent activity: problematic, project objectives, working methods, stakeholders, deadlines, planned follow-up, etc. Presentations, case studies, development and presentation of a preliminary team study.	https://etudier.ugam.ca/cours?sigle=GDF7020&ga_search=GDF7020&ga_cat=cours	Focused	15
GDF7030	0	Planning of a sustainable forest management project	Environmental sciences	Graduate	Plan a project which will make it possible to apply to a concrete problem of sustainable management of natural resources the conceptual foundations, working methods and analysis tools acquired during the course of the program. Definition of the problem and the objectives of a sustainable management project resulting from a real situation. The projects can apply both to existing institutions (MRC, municipalities), to property development methods (CAAF, teaching and research forests, ZECs) and to specific isolation processes (law on agricultural zoning). The course advocates a management approach in a natural environment based on a structured methodology and a deep knowledge of biophysical resources. A multicriteria analysis approach to compare and evaluate different intervention scenarios, as well as intervention proposals focusing on sustainable regional development and resource conservation should be adapted to the spatio-temporal context. The proposals describing the problem, the objectives and the approach will be the subject of a written project which will have to be presented to a committee for evaluation and approval. Supervision by the teacher. Preparation of projects in teams of two to four students.	https://etudier.ugam.ca/cours?sigle=GDF7030&ga_search=GDF7030&ga_cat=cours	Focused	15
GDF7032	0	Realization of a sustainable management project in a forest environment	Environmental sciences	Graduate	Apply to a concrete problem of sustainable management of natural resources the conceptual foundations, working methods and analytical tools acquired in the course of the program. Realization of a sustainable management project resulting from a real situation. The team will have to work on carrying out the project as defined in the course GDF7030 Planning a sustainable management project in a forest environment. Depending on the scope of the project, the team may carry out the project in whole or in part (eg proposal of scenarios, data analyzes). Production of a written report. Supervision by the teacher. Realization of projects in teams of two to four students.	https://etudier.ugam.ca/cours?sigle=GDF7032&ga_search=GDF7032&ga_cat=cours	Focused	15

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GRADUATE COURSES								
GDF7101	0	Problems of forest ecosystems in Quebec	Environmental Sciences (Institute)	Graduate	This course aims to paint a broad picture of current issues affecting Quebec forest ecosystems and to familiarize students with the range of themes that will be addressed during the entire master's program in sustainable management of forest ecosystems (program). The course also aims to present to students which skills will be mastered - and how the program will allow them to achieve this goal of mastering skills - in order to become real agents of change in the context of contemporary issues. In order to expose students to the realities of the forest environment as soon as they enter the program, speakers will present, in the form of seminars followed by discussions, the issues that are specific to them.	https://etudier.uqam.ca/cours?sigle=GDF7101&ga_search=GDF7101&ga_cat=cours	Focused	15
GDF7102	0	Ecosystem services 1 - ecological aspects	Environmental Sciences (Institute)	Graduate	This course aims to enable the student, after having deepened his knowledge of forest ecosystems, to assess quantitatively and qualitatively all the different ecological services that forest ecosystems produce. The following concepts will be seen in this course: - definitions of an ecosystem and a forest; - main forest biomes of the world; - description of the main types of forests in Canada and Quebec; - trophic chains and feedback; - endogenous and exogenous factors which control forest dynamics; - natural disturbances: processes and patterns; - diversity and stability; - basic principles of an environmental assessment; - methods for measuring the main components of ecosystems; - climate change, resilience and dynamics of ecosystems; - theory of dynamical systems; - ecological services provided by terrestrial ecosystems; - influences of forest ecosystems in the regulation of the planetary climate; - Gaia theory.	https://etudier.uqam.ca/cours?sigle=GDF7102&ga_search=GDF7102&ga_cat=cours	Focused	15
GDF7103	0	Ecosystem services 2 - social aspects	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to assess quantitatively and qualitatively the different services that forest ecosystems can provide at the social level. The following concepts will be seen in this course: - history of forest use and the socio-emotional links that populations maintain with these ecosystems; - perception of forest ecosystems by different social groups in Quebec and elsewhere in the world; - quantification of the social services provided by forest ecosystems. Course taken according to the problem-based learning approach (APP). All the students in a cohort operate synchronously via an online communication system. This APP course is accompanied by seminars given by specialists.	https://etudier.uqam.ca/cours?sigle=GDF7103&ga_search=GDF7103&ga_cat=cours	Focused	15
GDF7104	0	Ecosystem services 3 - economic aspects	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to quantify the economic value of the different services that forest ecosystems can provide. The student will then have to integrate the concepts seen in the courses GDF7102 - Ecosystem services 1 - ecological aspects and GDF7103 - Ecosystem services 2 - social aspects. The following concepts will be seen in this course: - notions of micro and macroeconomics; - notions of dynamics of complex systems; - notions of green accounting; - viability of forest dependent communities; - approaches to quantify the monetary value of the ecological and social services that forest ecosystems can provide: - recreation, hunting and fishing; - wood and non-wood forest products, quality water and air; - regulation of hydrological cycles; influence on climate; - effect on the quality of the landscape; - carbon reservoir.	https://etudier.uqam.ca/cours?sigle=GDF7104&ga_search=GDF7104&ga_cat=cours	Focused	15
GDF7201	0	Human dimensions of the relationship to forest ecosystems	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to understand how the human dimensions define the perception of forest ecosystems and shape their use. The course also aims to understand how indigenous and non-indigenous perceptions of forest ecosystems are articulated and how the meeting of these perceptions is articulated and manifested. Ecosystem-based forest management, in addition to its ecological component, also requires a good understanding of the human (or socio-economic) dimension. To do this, the student will have to become familiar with: - the values and needs of society in relation to forest ecosystems; - specific indigenous values and perceptions (legislation affecting indigenous people, indigenous cultures and histories, traditional knowledge); -the concept of sustainable management of forest ecosystems; - administrative organizations concerned with ecosystem management, particularly in Quebec; - roles and responsibilities of the various players and stakeholders; - concept of social acceptability and how to assess it.	https://etudier.uqam.ca/cours?sigle=GDF7201&ga_search=GDF7201&ga_cat=cours	Focused	15

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GRADUATE COURSES								
GDF7202	0	Formulation of ecosystem management objectives	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to develop an adaptive approach to ecosystem-based forest management. Ecosystem-based forest management is an objective rather than an end in itself, since our knowledge of the functioning of ecosystems is only partial and the effects of our interventions on the functioning of these ecosystems will only materialize over long horizons. very long times. This therefore requires the development of an approach for the continuous improvement of our practices called "adaptive management". Such a continuous improvement approach is often also part of the certification process of a forest management plan. This course therefore aims to: - understand the approach of passive and active adaptive management; - be able to develop effective monitoring indicators; - take into account the elements of risk in our planning predictions; - understand the different forest certification processes in force; - be able to incorporate and balance the benefits of the various services provided by forest ecosystems; - be able to use different simulation and decision-making support tools.	https://etudier.ugam.ca/cours?sigle=GDF7202&ga_search=GDF7202&ga_cat=cours	Focused	15
GDF7203	0	Forest ecosystem management plan	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to develop a complete forest ecosystem management plan that balances the three main pillars of sustainable management, namely ecological, economic and sociological aspects. The development of a forest ecosystem management plan must be well understood and mastered in order to be able to provide leadership. As part of this course, the student will become familiar with: - notions of sustainable management of natural resources; - notions of modern forestry in Quebec and elsewhere in the world; - the various elements specific to the preparation of a forest management plan as carried out in Quebec; - the bases for calculating the allowable cut; - the requirements of the various forest certification programs; - the concepts of accounting and taxation specific to the management of forest ecosystems; - concepts of project management; -the cost / benefit calculation approaches, multi-criteria and decision-making analyzes.	https://etudier.ugam.ca/cours?sigle=GDF7203&ga_search=GDF7203&ga_cat=cours	Focused	15
GDF7303	0	Integration and contextualized mobilization of knowledge 1	Environmental Sciences (Institute)	Graduate	This course aims to give students the opportunity to mobilize in a contextualized way the knowledge acquired in the program. The student must be able to demonstrate his know-how in this course. This course gives students the opportunity to practice mastering the skills targeted by the program. The contextualized mobilization of knowledge will revolve around simulations of the development, implementation and monitoring of an ecosystem-based management plan. In this first phase, the students collect information for the management plan and prepare the framework for a public consultation simulation. This course requires in part the physical presence of all students in one or other of the institutions. The aim here is for the students, formed in small teams, to collect the information necessary for the development of a complete ecosystem-based management plan. The collection of ecological information takes place during the meeting of the students in one or the other of the establishments for the course GDF7302 "Practical work in the field". The collection of socio-economic information by the students and the preparation for a mock public consultation then take place in their respective institutions.	https://etudier.ugam.ca/cours?sigle=GDF7303&ga_search=GDF7303&ga_cat=cours	Focused	16

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GRADUATE COURSES								
GDF8402	0	Integration and contextualized mobilization of knowledge 2	Environmental Sciences (Institute)	Graduate	This course aims to give students the opportunity to mobilize in a contextualized way the knowledge acquired in the program. The student must be able to demonstrate his know-how in this course. This course gives students the opportunity to practice mastering the skills targeted by the program. The contextualized mobilization of knowledge will revolve around simulations of the development, implementation and monitoring of an ecosystem-based management plan. In this second phase, the students carry out the simulations and write the final management plan. Two development plans are planned for all students in order to adjust to student expectations. The first plan will focus on a region in southern Quebec while the second targets a region in the boreal forest. This course requires in part the physical presence of all students in one or other of the institutions. For the students, formed in small teams, it is a question of going through a series of simulations which are as many stages in view of the drafting of a final management plan. The first of these simulations is a public consultation on the management objectives during which the students in the first year of the program, and who take the introductory course GDF7101 - Problematics of forest ecosystems in Quebec, play the role of public. The following simulations, which take place in a second week, deal with adaptive management and risk management. The students then write a final version of the complete ecosystem management plan in their respective institutions.	https://etudier.ugam.ca/cours?sigle=GDF8402&ga_search=GDF8402&ga_cat=cours	Focused	16
GDF8403	0	Synthesis project (problematic)	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to carry out an individual and in-depth reflection on the dimensions (ecological, social and economic) affected by the management of forest ecosystems. In this course, and according to an individual approach but under the direction of one of the professors accredited to the program, the student will have to identify an original problem, of a theoretical or practical nature, which involves the ecological, social and economic dimensions of forest ecosystems. . Individual work requiring in-depth reflection, it identifies the problem on which the student wants to formulate a solution. The student gives his supervisor a detailed document on the chosen issue.	https://etudier.ugam.ca/cours?sigle=GDF8403&ga_search=GDF8403&ga_cat=cours	Focused	16
GDF8501	0	Synthesis project (solution)	Environmental Sciences (Institute)	Graduate	This course aims to allow the student to carry out an individual and in-depth reflection on the dimensions (ecological, social and economic) affected by the management of forest ecosystems. In this course, and according to an individual approach but under the direction of one of the professors accredited to the program, the student will offer a solution to an original problem, of a theoretical or practical nature, which involves the ecological, social and economic dimensions of forest ecosystems. The student will have to highlight how he sees the role of the forest ecosystem management approach developed in the program in the concrete and original solution that the approach allows to consider.	https://etudier.ugam.ca/cours?sigle=GDF8501&ga_search=GDF8501&ga_cat=cours	Focused	16
GEO7011	3	Natural heritage and local development: case studies	Geography	Graduate	This course aims to define the concept of " natural heritage " in the context of local development with a perspective of sustainable development. It reviews the history of ideas relating to this concept, demonstrates the relevance of a holistic strategy, highlights the apparent neutrality of "science ", hence, results in the need for an ideological position for all involved. . Lectures show how the components of the natural environment have gradually been structured into a heritage concept. This concept is then analyzed to make it an intervention tool at the local level. Case studies are presented (by guest speakers, if applicable). Following the theoretical learning, students are called upon to prepare their own case study in the form of a seminar. The evaluation relates as much to theoretical knowledge as to the work carried out and presented in class.	https://etudier.ugam.ca/cours?sigle=GEO7011&ga_search=GEO7011&ga_cat=cours	Focused	16
GEO7015	3	Participatory approaches to territorial planning and local development	Geography	Graduate	This course aims to bring the student to know the main participatory approaches in terms of territorial planning, development, urban management and local development, at the same time on the theoretical, methodological and empirical levels.	https://etudier.ugam.ca/cours?sigle=GEO7015&ga_search=GEO7015&ga_cat=cours	Focused	16

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GRADUATE COURSES								
GEO7040	0	Ecological mapping and environmental assessment	Geography	Graduate	Apply the methodological foundations as well as a certain multidisciplinary practice to the ecological planning of the territory and the environmental assessment.	https://etudier.ugam.ca/cours?sigle=GEO7040&ga_search=GEO7040&ga_cat=cours	Focused	15
GEO7800	0	Development of rural areas	Geography	Graduate	Allow the student to define a specific approach to the development of rural areas which takes into account: the fragile nature of these ecosystems where the physical components are predominant; and the needs of local and regional populations in terms of forestry production as well as recreation, the outdoors, natural landscapes and vacationing. Understand that this type of development calls on social and ecological dimensions and that it is part of a desire to protect natural spaces from abusive commercial use.	https://etudier.ugam.ca/cours?sigle=GEO7800&ga_search=GEO7800&ga_cat=cours	Focused	15
GEO8271	3	Environmental assessment	Geography	Graduate	The course aims to develop skills regarding the application of geographic knowledge to environmental assessment from an interdisciplinary perspective. The environmental assessment is examined in relation to impact studies, integrated resource management, environmental planning and federal and provincial regulations in force. The student gets in touch with cutting edge research and domestic and foreign case studies through lectures and group work.	https://etudier.ugam.ca/cours?sigle=GEO8271&ga_search=GEO8271&ga_cat=cours	Focused	12
GEO8520	0	Space and health	Geography	Graduate	The level of health of a population is an excellent social indicator; it appears to be essentially explicable by way of life and by environmental living conditions. Geographical research in the field of health therefore offers the dual interest of allowing more in-depth socioeconomic studies and of helping to shed light on important pathogenic factors, relative to the main diseases currently affecting our societies. Definition of health and disease. Measures of the health status of a population; morbidity and mortality; rates, ratios and indices. The variable frequency of diseases in space at different scales and according to the environment. Physical, social and economic factors of certain pathologies. Health services and health policies.	https://etudier.ugam.ca/cours?sigle=GEO8520&ga_search=GEO8520&ga_cat=cours	Focused	3
GEO8535	0	Citizen geography: action and reflexivity	Geography	Graduate	The scales of the deployment of globalization challenge both the representations and the socio - spatial practices of actors and citizens. In a relationship of interactions, the latter make choices and take decisions that have consequences for the environment, the territories, the living conditions of populations, and the rights of citizens. Using approaches that combine theoretical analysis, methodological contributions and empirical observation, from the street to the world, including the neighborhood, the city, the region and the nation, students will be led to to appropriate and to discuss the bases of a geographical approach concerned with ethical and environmental principles favoring citizen participation.	https://etudier.ugam.ca/cours?sigle=GEO8535&ga_search=GEO8535&ga_cat=cours	Focused	16
GEO8581	3	Geography and major contemporary issues	Geography	Graduate	Taught in the form of a seminar, this course addresses a topical problem in relation to geography. A problem of a political, social or environmental nature having effects on the relation of society to space is dealt with exhaustively. By way of example, the following themes are envisaged: global warming, the reconversion of the economies of Eastern Europe, the new industrialized countries, new communication technologies and the redefinition of cultural spaces, etc.	https://etudier.ugam.ca/cours?sigle=GEO8581&ga_search=GEO8581&ga_cat=cours	Focused	13 16

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GRADUATE COURSES								
GEO8601	2	Management of hydrological resources	Geography	Graduate	The course aims to assess and optimize water resources in the perspective of climate change, as well as to advance alternative measures for the use of water resources in the perspective of sustainable management. The course will focus on the following topics: the analysis of the impacts of different human activities on the components of the hydrological cycle, the impacts of modifications of the parameters of the watershed on the water level, the problem of the variability of precipitation (liquid and solid) depending on the different environments, the consequences (tornadoes, leaching, floods, soil erosion), soil impermeability, salinization and desertification, the impacts of changes on the components of the water cycle, the management model by watershed, the sustainable management of water balance parameters.	https://etudier.ugam.ca/cours?sigle=GEO8601&ga_search=GEO8601&ga_cat=cours	Focused	4 15
GEO8735	1	Socio-geography of development	Geography	Graduate	From the concepts, notions and central paradigms of economic sociology and geography, a framework for analyzing local development initiatives in countries of the North and the South is formulated. Concrete case studies of local, regional, metropolitan, national and continental development are presented.	https://etudier.ugam.ca/cours?sigle=GEO8735&ga_search=GEO8735&ga_cat=cours	Focused	17
JUR7621	4	Economic and social rights: national, transnational and international aspects	Legal Sciences	Graduate	This course focuses on the legal recognition of human economic and social rights (DES) in international law, taking into account the interaction with domestic law. The student will focus on current legal approaches, as well as on the social or political uses to which these approaches can give rise. At the end of the course, it will identify in a critical way the potentialities and the limits of these various legal approaches, will confront them with the political and economic theories which contest the relevance and the effectiveness of the legal norms in this field, and finally, will deepen, in a critical perspective, the tensions existing between DES and commercial law. The following aspects are discussed: the conceptual framework of economic and social rights law in international law (progressive realization, essential content, availability of resources, principle of non-discrimination); competing national legal approaches; international and regional control mechanisms (European Social Charter and / or inter-American instruments); factors affecting the implementation of DES; the recourse to the right of the DÉ in the social demands.	https://etudier.ugam.ca/cours?sigle=JUR7621&p=1661	Focused	16
JUR7631	3	International law, vulnerability and fundamental rights	Legal Sciences	Graduate	The course aims to explore international legal regimes for the protection of individuals and groups through the issue of vulnerability. A first objective of the course is the acquisition of basic knowledge of international legal protection, at regional and universal levels, of populations and social groups whose protection is governed by specific regimes, such as women, children, refugees, displaced persons, interns, people with disabilities, indigenous peoples and communities and others. A second objective is the problematization of the notion of vulnerability and its use in doctrinal and jurisprudential argumentation. At the end of the course, the participants will have developed an overview, both of special protection regimes articulated around implicit or explicit notions of vulnerability, and of the place of the concept of vulnerability in the central issues of the system. international legal protection of rights, such as those of the indivisibility, universalism or justiciability of human rights.	https://etudier.ugam.ca/cours?sigle=JUR7631&p=1661	Focused	16

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
JUR7645	1	International law and development	Legal Sciences	Graduate	The objectives of this course are to allow the student to explore the nature and scope of the concept of development and to deepen the aspects and dimensions associated with it by acquiring knowledge of international mechanisms. and regional ones that encourage or inhibit development. In order to promote a critical and interdisciplinary study of the relationship between development and international law, the concept of development will be understood as a multidimensional process of transformation and structural change of societies implicitly referring to the qualitative and quantitative evolution of lifestyles, of thought, consumption and production. Starting from a broad definition of development, several themes can thus be approached and deepened within the framework of this seminar: contemporary paradigms or models of, the history of development in the light of its major ruptures or revolutions, the evolution of concept and standards of development, the relationship between development and human rights; North-South dialogue and relations of economic domination in the context of globalization; policies and mechanisms adopted and implemented by international organizations; alternative and critical views on development; counter models, etc.	https://etudier.uqam.ca/cours?sigle=JUR7645&p=1661	Focused	16
JUR7671	1	International environmental law	Legal Sciences	Graduate	As part of this course, the student will have the opportunity to identify the sources, concepts and principles of international environmental law (prevention, precaution, sustainable development, common but differentiated responsibilities, polluter pays) and explain their implementation in various international environmental protection regimes (for example: climate change, protection of biodiversity and water, the ozone layer). The student will also have the opportunity to discuss the international, social, economic and ecological context of the negotiation and implementation of international environmental protection standards and to carry out a critical analysis of the legal responses to these issues. problems posed by the degradation of the environment on a planetary scale.	https://etudier.uqam.ca/cours?sigle=JUR7671&p=1661	Focused	16
JUR7825	0	Law and culture	Legal Sciences	Graduate	This course allows the student to assess from a critical perspective the legal issues raised by cultural issues, while deepening the cultural component of legal regulation. It is about how the law approaches culture, as well as how it is shaped by it. His gaze focuses on the legal regulation of various cultural phenomena, a regulation that can borrow, for example, the vehicles of criminal law, private law, administrative law, social law, labor law or rights and freedoms of the anybody. The course draws on sociology and anthropology and mobilizes various theoretical approaches as needed, for example "cultural studies ", constructivism or even feminist trends. The following aspects could be dealt with: the notion of culture in the social sciences and its legal understanding; the notion of legal culture; the law of "cultural industries" and the law "of" culture; fundamental human cultural rights (access to culture, freedom of creation, right to cultural identity); the relationship between art and law; the representation of law in culture. Thematically, can be approached, among others: the freedom of cultural and artistic creation; state cultural policies; the law and management of cultural diversity; the representation of law in cultural artefacts; free trade and cultural diversity; the concept of the common heritage of humanity; etc.	https://etudier.uqam.ca/cours?sigle=JUR7825&p=1661	Focused	16
JUR7835	1	Law and migration	Legal Sciences	Graduate	The objective of this course is to identify the political and legal functions and purposes targeted by different normative tools regulating migration, to understand the role assumed by different institutional actors who oversee the management of migration, as well as to " assess the impact of migration status on access, formal or effective, to various civil, political, economic, social or cultural rights. This course explores the historical and socioeconomic elements allowing to explain the establishment of a legal regime framing both migration and migrant rights. On this basis, the course apprehends the concrete consequences of the establishment of distinct categories of migrants (refugees, temporary workers, without status, "economic" migration, and others).	https://etudier.uqam.ca/cours?sigle=JUR7835&p=1661	Focused	16

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GRADUATE COURSES								
JUR7845	0	Individual and collective interests	Legal Sciences	Graduate	This course aims to equip students to examine how law, through the different legal categories that make it up, contributes to the organization, representation and protection of individual and collective interests in society. This course aims in particular to better understand the relations and tensions between these different interests: individual interest, collective interest, common interest, public interest or general interest. This course will allow students to understand the conflicts between the different forms of interests and their possible hierarchy by law (for example: when and why does the law recognize that the collective interest takes precedence over the individual interest and vice versa?) This study will be based on examples drawn from various fields of law, such as indigenous rights, consumer law or even environmental or property law, as well as on various phenomena that will highlight the tensions between the individual and the collective (interruption of academic activities following a vote by a student association or demonstration on the public highway for example). This course will equip students in their understanding of legal instruments contributing to the organization and mobilization of various individual or collective interests. Students will in particular be required to relate these different notions of interests; to understand the power issues underlying these interests to question the effectiveness of these interests.	https://etudier.uqam.ca/cours?sigle=JUR7845&p=1661	Focused	1616
JUR7855	2	Socio-legal perspectives on crime and punishment	Legal Sciences	Graduate	The objectives of this course are to develop a critical perspective on the methodological and theoretical issues associated with crime and punishment and to deepen knowledge on various contemporary legal themes related to criminal law. It will allow the study of the use of criminal law - in its broadest and most inclusive definition - as a punitive response to a problem or behavior perceived as immoral or undesirable. Students will question the relationship between crime, punishment, law and society. At the end of this course, students will be able to compare and evaluate several theoretical approaches that will be illustrated by contemporary legal themes related to the judicial process, criminal liability and sentencing (for example : sexual assault, criminalization of dissent, criminalization of marginality, economic crimes, crimes against morals, environmental crimes, police power, presumption of innocence, criminal evidence, sentencing criteria, etc.)	https://etudier.uqam.ca/cours?sigle=JUR7855&p=1661	Focused	16
JUR7897	2	Social rights, living conditions and social justice	Legal Sciences	Graduate	This course aims to allow the student to deepen the theories of social justice, social policies and legislation as well as the rights and remedies of those affected by these policies. It is about acquiring the theoretical but also practical tools to think about the implementation and the exercise of social rights. The material covered in the course will be based on different themes, such as the concept of "social justice", the evolution, the scope, the limits, the remedies and the alternatives relative to social policies in various sectors such as the right to health, the right to housing, youth rights, environmental law, the right to legal services and access to justice.	https://etudier.uqam.ca/cours?sigle=JUR7897&p=1661	Focused	16
MDT8131	1	Nature tourism	Management sciences	Graduate	This course offers a critical and constructive look at the tourism industry in natural environments, in order to develop students' analytical skills by making them aware of the fundamental differences between environmental practices and the ideological thoughts that guide the management of these places. At the end of this course, the student will be able to: - better understand and expose the relationship between the tourist and the natural environment (and, by extension, the motivations behind nature tourism and adventure); - analyze the natural and societal environment of the company and its environmental performance; - to carry out an informed strategic and organizational diagnosis, to choose clear strategic options taking into account the environmental and social dimensions (acquiring sustainable management skills). The course will address several aspects of natural resource management in the context of nature tourism and sustainable development, including the study of the concepts of nature / wilderness, ecotourism and adventure, and various management approaches (resourceism , preservationism , biocentrism, ecocentrism , ecofeminism, fundamental ecology, etc.). This course is open to students of other programs.	https://etudier.uqam.ca/cours?sigle=MDT8131&ga_search=MDT8131&ga_cat=cours	Focused	11

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GRADUATE COURSES								
MDT8301	6	Sustainable development of tourist areas	Management sciences	Graduate	This course explores the issues and practices of valuing tourist areas in the light of the theoretical foundations of sustainable development and local development. It aims to familiarize the student with the conditions of responsible exploitation of resources according to the specific sensitivities of spaces and their populations, to deepen the links between the economic development of territories and the preservation of natural resources, with a view to optimization of local and community benefits. The course will allow the student to implement the strategies and practices of sustainable and local development taking into account the constraints and possibilities of the host environments, to take the measure of the economic and social benefits of tourist exploitation and to solve the problems related to the participatory integration of the populations in the development plan. While discussing the theoretical and pragmatic frameworks as well as the particularities of the material and human environments of tourist areas in Quebec and around the world, the following themes will be addressed: - regional planning, its principles and tools; - strategies and practices of sustainable and local development at the scale of tourist areas; - the means of consultation, animation and concertation of local actors; - evaluation of the physical, cultural, social and economic impacts. This course is open to students of other programs.	https://etudier.ugam.ca/cours?sigle=MDT8301&ga_search=MDT8301&ga_cat=cours	Focused	11 13 15 16
MGP7203	3	Humanitarian aid project management	Management sciences	Graduate	This course aims to: - Understand the international political and normative environment, the history, the actors, the issues as well as the practical and operational dimensions linked to contemporary humanitarian action; - Be able to develop an intervention strategy for a particular humanitarian situation on behalf of a Canadian agency operating internationally; - Respond to the demand for the training of programming officers able to act in humanitarian crisis situations across the planet.	https://etudier.ugam.ca/cours?sigle=MGP7203&ga_search=MGP7203&ga_cat=cours	Focused	16
MKG8424	3	Responsible Marketing	Marketing	Graduate	To expose the students to the different theoretical and managerial realities surrounding the research field of responsible consumption. Get the students to think about the strategy and the behavior of the consumer (brakes and motivations) in the face of responsible consumption and to acquire the concepts useful for their diagnoses. Master the concepts and models of responsible consumption, and understand the main decision support mechanisms underlying them. In this course, different classic and recent concepts related to responsible consumption will be discussed: green, fair and civic marketing; local and collaborative consumption; social desirability and the green gap; eco-design and analysis of the life cycle of products / services; eco-labels; greenwashing and the myopia of green marketing; measuring responsible consumption; and responsible marketing leadership.	https://etudier.ugam.ca/cours?sigle=MKG8424&ga_search=MKG8424&ga_cat=cours	Focused	12

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GRADUATE COURSES								
ORH8417	2	Organization and social innovation	Management sciences	Graduate	Develop in the student an integrated understanding of social innovation in a business context. More specifically, the student will have the opportunity to learn more about: the different conceptions of social innovation; how the process of social innovation unfolds, from initiation to diffusion and institutionalization; the main factors facilitating or hindering social innovation at the organizational and institutional level; strategies for supporting, financing and evaluating the impact of social innovations; social technologies in the globalized countries of the South. At the end of this course, the student should more particularly: (1) know how to distinguish different ways of conceiving social innovation, going from a functionalist point of view to a point of view of social transformation; (2) be made aware of the emerging phenomena of social innovations in organizations, in particular social and collective enterprises (cooperatives, non-profit associations, social enterprises); (3) know how to distinguish the role of actors and the different issues at different stages of the life cycle of social innovation, and know the importance of the ecosystem; (4) know how to mobilize concepts and methodologies facilitating the study and analysis of social innovations in an organizational context; (5) learn about contemporary social innovation trends in national and international contexts, particularly in globalized countries of the South; (6) have developed critical skills in the face of different visions of social innovation.	https://etudier.uqam.ca/cours?sigle=ORH8417&ga_search=ORH8417&ga_cat=cours	Focused	8 10 12
POL8216	2	Indigenous political issues in Canada	Political Sciences	Graduate	Identification and analysis of the political problems associated with the historical construction of concepts such as the indigenous "nation", the "community", the "public lands" and the difficulties that their imposition as a norm poses in terms of legislation, indigenous rights and the relationship between Aboriginal people and the various levels of government in Canada. Study of specific questions arising from this general problem: the evolution of treaties, the concept of territory, governance issues.	https://etudier.uqam.ca/cours?sigle=POL8216&p=1661	Focused	10
POL8320	0	International ecopolitics	Political Sciences	Graduate	Political factors which influence international cooperation in environmental matters, the fusion of development and environmental protection objectives, and the formulation and implementation of international and national environmental protection policies. Environmental security and international relations. Theoretical approaches to environmental cooperation. Case studies.	https://etudier.uqam.ca/cours?sigle=POL8320&ga_search=POL8320&ga_cat=cours	Focused	16
POL8321	0	Environmental governance	Political Sciences	Graduate	Comparative analysis of decision-making processes, instruments and modes of governance of environmental policy. Role of public institutions, standards and practices in the development and implementation of environmental policy. Study of the interactions between public authorities and civil society in the preservation, conservation and exploitation of natural resources. Structures and challenges of international cooperation on the environment and climate change.	https://etudier.uqam.ca/cours?sigle=POL8321&p=1661	Focused	16
POL8332	1	Critical safety studies: contemporary issues and debates	Political Sciences	Graduate	Anchored in critical security studies, this seminar questions the influence and interrelation of security as experienced in daily life and global politics. It offers a reflective look at the transformation of security, both in its theoretical conceptions and its empirical applications, while new issues are apprehended under the yardstick of security (environment, immigration, public health, etc.). The approach is multidisciplinary and thematic in order to analyze the discourses, practices and subjects of security, as well as their conditions of possibility.	https://etudier.uqam.ca/cours?sigle=POL8332&p=1661	Focused	1 3 5 10 16
POL8743	1	Politics and natural resources	Political Sciences	Graduate	Analysis of the interaction between political processes and natural resource management. Consequences of the exploitation of natural resources (eg forests, hydrocarbons, minerals, water, etc.) on the balance of power and political choices. Role of political actors, public institutions and knowledge in the management of natural resources. Theoretical approaches and methodological tools to understand the links between the State, economic actors and civil society.	https://etudier.uqam.ca/cours?sigle=POL8743&p=1661	Focused	15 16

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GRADUATE COURSES								
POL8750	0	Governing health: actors, power and policies	Political Sciences	Graduate	This seminar aims to deepen the understanding of the political issues of health. The seminar will question in particular the legitimacy of health in the political debate, international health governance and the management of health crises, the integration of health into other public policies, the balance of power between the actors and the issues. health system reforms, etc.	https://etudier.uqam.ca/cours?sigle=POL8750&p=1661	Focused	3
RRC700X	0	Resilience, risks and disasters: special topics	Environmental sciences	Graduate	This course, with variable content, focuses on a current theme or a research subject, for example: individual, organizational or societal resilience; risks whose impact can greatly affect the health of a community or the environment of a territory; the effect of disasters on individuals, organizations and society; capacity overrun and the challenges of reconstruction.	https://etudier.uqam.ca/cours?sigle=RRC700X&ga_search=RRC700X&ga_cat=cours	Focused	13
RRC7101	0	Foundations of Resilience, Risks and Disasters	Environmental sciences	Graduate	Knowledge: know the basic concepts of resilience, risks and disasters; the main national and international frameworks; issues and approaches to managing major events; resilience approaches around the world; the context of Quebec in relation to that of the Francophonie and the world.	https://etudier.uqam.ca/cours?sigle=RRC7101&ga_search=RRC7101&ga_cat=cours	Focused	13
RRC7102	0	Human dimensions of resilience, risks and disasters	Environmental sciences	Graduate	This course aims to know and deepen the multiple human dimensions manifested before, during or after disasters. Students will thus be able to better define their professional interventions and ensure a better match between disaster risk reduction initiatives with the people and communities involved.	https://etudier.uqam.ca/cours?sigle=RRC7102&ga_search=RRC7102&ga_cat=cours	Focused	13
RRC7103	0	Organizational dimensions of resilience, risks and disasters	Environmental sciences	Graduate	This course aims to describe the elements of organizational structure, functioning and culture from a disaster risk reduction perspective. The student will thus be able to better develop analyzes, strategies and work plans in the field of resilience, risks and disasters adapted to the reality of an organization.	https://etudier.uqam.ca/cours?sigle=RRC7103&ga_search=RRC7103&ga_cat=cours	Focused	13
RRC7104	0	Societal dimensions of resilience, risks and disasters	Environmental sciences	Graduate	This course aims to explore the various societal dimensions of hazards, risks and disasters. It examines the elements of cultures and values as well as the social and state structures that influence the vulnerability of societies to disaster risk.	https://etudier.uqam.ca/cours?sigle=RRC7104&ga_search=RRC7104&ga_cat=cours	Focused	13
RRC7105	0	Integration of skills in resilience, risks and disasters I	Environmental sciences	Graduate	This course aims to integrate the knowledge and skills acquired in previous courses. Integration of human, organizational and social dimensions in a multi-hazard approach aimed at strengthening the resilience of communities.	https://etudier.uqam.ca/cours?sigle=RRC7105 & ga_search = RRC7105 & ga_cat = cours	Focused	13
RRC7201	0	Coordination skills in resilience, risks and disasters	Environmental sciences	Graduate	This course aims to acquire skills related to the coordination of resources and tasks related to the field of resilience, risks and disasters. The need for such coordination is critical for the mobilization of actors before, during and after disasters or other major events.	https://etudier.uqam.ca/cours?sigle=RRC7201&ga_search=RRC7201&ga_cat=cours	Focused	13
RRC7202	0	Program management skills in resilience, risks and disasters	Environmental sciences	Graduate	This course aims to acquire the knowledge, skills and attitudes essential to the coordination of the resources and tasks of an administrative unit. This coordination is complex in an organizational context that is often focused on processes rather than results, such as during disasters or other major events.	https://etudier.uqam.ca/cours?sigle=RRC7202&ga_search=RRC7202&ga_cat=cours	Focused	13
RRC7203	0	Integration of skills in resilience, risks and disasters II	Environmental sciences	Graduate	This course aims to integrate the knowledge and skills acquired in previous courses. Integration of the coordination aspects of disaster response and program management, in a multi-hazard approach aimed at strengthening the resilience of communities.	https://etudier.uqam.ca/cours?sigle=RRC7203&ga_search=RRC7203&ga_cat=cours	Focused	13

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GRADUATE COURSES								
SCA7043	3	Synoptic meteorology	Sciences / Environmental Sciences	Graduate	Study of the structure and evolution of extratropical systems on a synoptic scale. Interpretation of meteorological data observed and predicted by models for weather analysis and forecasting. Formation, evolution, movement of meteorological systems on the surface and in altitude. Frontogenesis, cyclogenesis and baroclinic conversion process. Characteristic three-dimensional structure and vertical movement in barotropic and baroclinic systems. Types of precipitation associated with weather systems.	https://etudier.uqam.ca/cours?sigle=SCA7043&ga_search=SCA7043&ga_cat=cours	Focused	
SCA7051	3	Cloud physics and dynamics	Sciences / Environmental Sciences	Graduate	Microphysical processes of precipitation formation: homogeneous and heterogeneous nucleation of cloud droplets and ice crystals, Bergeron effect, coalescence, accretion, aggregation, Hallett-Mossop process of ice crystal multiplication. Parameterization of these processes in meteorological models. Mesoscale cloud dynamics: stratiform and convective clouds, air mass and multicellular storms, supercells. Phenomena associated with mesoscale convective systems: dry line, micro-burst, tornado, meso-cyclone. Vortex and pressure disturbance in convective systems. Water cycle and climatology of clouds. Radiative effects of clouds and aerosol-cloud-radiation interactions.	https://etudier.uqam.ca/cours?sigle=SCA7051&ga_search=SCA7051&ga_cat=cours	Focused	
SCA7131	3	Climate physics	Sciences / Environmental Sciences	Graduate	Earth's radiative balance and greenhouse effect. Average structure of the atmosphere and spatio-temporal variability. Definition of climate. General circulation of the atmosphere and ocean currents. Heat and water transport by weather systems. Exchanges between the atmosphere and the overlying surface. Influence of the distribution of topography and sea surface temperatures. Elements of climate modeling. Statistical methods applied to climate. Projection of climate change resulting from anthropogenic effects.	https://etudier.uqam.ca/cours?sigle=SCA7131&ga_search=SCA7131&ga_cat=cours	Focused	7 20 22
SCO7410	5	Assessment, accountability and communication of the social performance of organizations	Management sciences	Graduate	This course aims to prepare the student to participate in the promotion of a governance approach based on the principles of sustainable development in organizations and to evaluate the information disclosed. Emphasis will be placed on the essential link between accountability and communication and on how to meet the needs of users of this information, in terms of relevance and reliability. The student will also be prepared to analyze the socio-political context of the company and to consider the organizational resources and constraints structuring its disclosure strategy. And finally, the student will learn to develop criteria for evaluating disclosure frameworks (eg GRI, ISO 26000 (in development)), with regard to the objectives of organizations and the needs of society.	https://etudier.uqam.ca/cours?sigle=SCO7410&ga_search=SCO7410&ga_cat=cours	Focused	8
SCO8233	1	External audit: concepts, environment and application	Accounting Sciences	Graduate	This course deals with the theoretical foundations and research methodologies in external audit. It deals in particular with ethical principles and fundamental concepts in auditing. It also deals with the influence of the environment on the auditor's work, and the consequences of his work.	https://etudier.uqam.ca/cours?sigle=SCO8233&ga_search=SCO8233&ga_cat=cours	Focused	8
SCO8270	3	Environmental management and accounting	Accounting Sciences	Graduate	Impacts of environmental legislation on society, ecosystems and organizations (management, ethics and environmental accounting). Assessment of environmental costs and risks. Environmental communication strategies. Carbon markets, eco-taxation and the roles of accounting professionals.	https://etudier.uqam.ca/cours?sigle=SCO8270&ga_search=SCO8270&ga_cat=cours	Focused	8

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GRADUATE COURSES								
SCT8245	2	Micropaleontological tracers and biomarkers	Science	Graduate	The course aims to learn analytical methods, especially quantitative, of organic tracers (palynofacies , micropaleontological assemblages, biomarkers, etc.) as well as applications in biogeochemistry, paleoceanography and sedimentary geology in general. Particular attention will be paid to microflora, microfauna and their biomarkers, as tracers of sediment and biochemical fluxes, in particular of carbon, and as indicators of paleoenvironmental conditions , in the broad sense. Macrofauna will be approached through their biomarkers and sclerochronological or geochemical approach . We will deal with the different statistical methods applicable to paleoecological studies: multivariate analyzes of assemblages and their distribution, assemblage-climate transfer functions. We conclude on applications paleohydrological , paleoceanographic , écostratigraphiques , biostratigraphic and paleogeographic.	https://etudier.uqam.ca/cours?sigle=SCT8245&ga_search=SCT8245&ga_cat=cours	Focused	
SCT8256	3	Isotopic geochemistry	Science	Graduate	The course focuses on understanding the rules governing the chemistry of light isotopes and, more generally, on the applications of light isotope chemistry to the study of water and carbon cycles, biogeochemical processes, changes in climate and ocean, and environmental systems in general.	https://etudier.uqam.ca/cours?sigle=SCT8256&ga_search=SCT8256&ga_cat=cours	Focused	
SCT8381	3	Geochronology	Science	Graduate	The main objective of this course is to familiarize the student with natural terrestrial geochronological systems. The presentation of dating methods focuses on the applications of these methods to a variety of geological systems, from the oldest to the most recent. The course aims to provide the student with the necessary knowledge to apply the different methods to concrete situations. Another objective is to introduce the student to some techniques and analytical calculations which will allow him to evaluate the validity of geochronological results and their interpretation.	https://etudier.uqam.ca/cours?sigle=SCT8381&ga_search=SCT8381&ga_cat=cours	Focused	15
SCT8400	0	Environmental geological risks	Science	Graduate	This course aims to provide an understanding of geological hazards as well as current methods to deal with them. The following themes will be discussed: nature, origin and consequences of environmental risks directly or indirectly linked to geological phenomena. Impacts of catastrophic phenomena related to internal geodynamics and external geodynamics. Method of mitigation of negative consequences for humans, prediction, protection and prevention against geological risks; zoning and risk maps; slowly evolving risks related to the environmental impact of mineral exploitation, contamination and overexploitation of water tables, treatment of contaminated soils, exceptional floods. Seminar, field trips.	https://etudier.uqam.ca/cours?sigle=SCT8400&ga_search=SCT8400&ga_cat=cours	Focused	15
SCT8471	2	Characterization of geological materials	Science	Graduate	Mineralogical, physico-chemical, submicron and geotechnical characterization. Natural analogues and degraded environments are considered. Understanding the characteristics allows us to ensure stabilization and the potential use or recycling of compounds. The reactivity and sequestration of inorganic and organic contaminants are discussed. A collection of samples of industrial minerals, mining residues, industrial waste from mineral and metal processing, organic residues, agricultural and forest soils, contaminated sediments, dust from incinerators, recycling materials, etc. , are available to allow the learning of standardized analytical methods. The student is also free to submit his own samples to improve knowledge both in the field of resource exploration and environmental geology. The kinetics of the contamination or the study of the risk associated with the exploited or non-exploited materials guide all the stages of learning. An elaborate speciation / extraction analytical park is used for this purpose: DRX, FRX, FTIR, MEB, AA, GC + PT, GCMS, LC, EC, PI, GM, US, SM... The interpretation of the results after different treatments makes it possible to intervene in the management of residues.	https://etudier.uqam.ca/cours?sigle=SCT8471&ga_search=SCT8471&ga_cat=cours	Focused	15

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
SCT8500	0	Dynamics of climate and oceans at the geological scale	Science	Graduate	The natural forcings and feedbacks controlling the global climate and the dynamics of the ocean on geological time scales are insufficiently documented and therefore taken into account for better modeling and forecasting of ongoing changes. The role of high latitudes, sea ice in particular, in the thermohaline circulation of the ocean and the climate in general, that of the continental hydrological cycle in climatic cycles, needs to be better understood. Several major international and Canadian programs devote part of their activities to it (IODP, ICDP, GEOTRACES, IMAGES, ArcticNet , WarmPast , ACEX ...). We first examine the determining elements of the dynamics of the climate and the oceans (forcings & feedbacks) at the geological scale. We deal with the recordings of the instabilities of the climate and the oceans (archives, plotters, chronometers). We then discuss the instabilities of the thermohaline circulation of the oceans and the changes on a global scale, over the last million years, with particular attention to the hottest interglacials, the last climate cycle and the mode of development. in place of "pre-anthropogenic" conditions. We conclude on the modeling, its uncertainties, and on the research in progress in the field.	https://etudier.ugam.ca/cours?sigle=SCT8500&ga_search=SCT8500&ga_cat=cours	Focused	14
SOC7705	1	Social aspects of major risk management	Sociology	Graduate	The objective of this course is to familiarize students with sociological theories of risk in order to help them better understand the complexity of the issues surrounding certain contemporary threats. At the end of this course, students will be able to: explain the special nature of modern risks and show how they undermine the status of science; to analyze the phenomena of social amplification of risk; understand why the participation of the various social actors in the decision-making process surrounding risk management is becoming a central issue, both socially and democratically; to identify the plurality of risk relationships and to analyze the strategies developed by different social groups to cope with it.	https://etudier.ugam.ca/cours?sigle=SOC7705&p=1661	Focused	13
SOC8725	3	Sociology of Immigration and Ethnic Relations	Sociology	Graduate	Contemporary forms of the migratory phenomenon. Theoretical perspectives and ideologies of incorporation: assimilation, multiculturalism, transnationalism, post-colonial perspectives, consideration of gender. Process of social and political construction of ethnicity, nation and racization, in connection with the redefinition of borders in the era of post-colonialism and globalization. The state and models for managing ethnocultural diversity; positioning of civil society. Issues and challenges relating to citizenship in pluriethnic and plurinational societies.	https://etudier.ugam.ca/cours?sigle=SOC8725&p=1846	Focused	10
SOC8735	2	Socio-geography of development	Sociology	Graduate	From concepts, core concepts and paradigms of sociology and economic geography, formulated a framework for analysis of local development initiatives in countries of North Domme South. Concrete case studies of local, regional, metropolitan, national and continental development are presented.	https://etudier.ugam.ca/cours?sigle=SOC8735&p=3486	Focused	17
SOC8740	3	Environment, sociology and society	Sociology	Graduate	Sociological study of the conditions and factors of emergence of environmental questions in contemporary societies. Sociohistorical analysis of the main currents of thought. Examination of economic issues, national and international public policies on the environment in a context of globalization, controversies and modes of action of the various actors.	https://etudier.ugam.ca/cours?sigle=SOC8740&ga_search=SOC8740&ga_cat=cours	Focused	16
SOC8745	1	Collective action and social movements	Sociology	Graduate	Examination of various theoretical approaches and forms of collective action. Topics and actors of collective action. Forms of mobilization, protest, resistance. Case studies (various movements, labor movement and trade unionism, associations, networks, collectives) in order to better understand their structure, their modalities of action and their effects on social development.	https://etudier.ugam.ca/cours?sigle=SOC8745&p=1846	Focused	10
SOC8750	1	Socio-anthropology of development	Sociology	Graduate	Study of international development assistance as a particular form of social change that emerges from the 1950s. Different paradigms have tried to understand the dynamics of the configuration of relations between societies through the analysis of capitalism and colonization. , modernization, dependence, neoliberalism and globalization.	https://etudier.ugam.ca/cours?sigle=SOC8750&p=3486	Focused	10 16 17

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GRADUATE COURSES								
SOC8825	0	Social inequalities and injustices	Sociology	Graduate	Analysis of social relations of inequality on several levels, at different levels and in several contexts (various social, economic and cultural conditions, individual opportunities, legal status, various barriers to access to resources, etc.). Various aspects will be dealt with: historical and contemporary dimensions of the imbalance in the allocation of resources, social positions. Logic of social trajectories, etc.	https://etudier.uqam.ca/cours?sigle=SOC8825&p=3486	Focused	10
SOC8830	0	Differences and discrimination	Sociology	Graduate	Notions that cut across social and sociological questions. They will be approached from the various theories that mark this field. They will also be illustrated on the basis of specific themes: social, racial and sexual differences and / or discrimination.	https://etudier.uqam.ca/cours?sigle=SOC8830&p=3486	Focused	10
SOC8845	2	Approaches and forms of social normativity	Sociology	Graduate	Examination of the various sociological approaches and conceptions of norms and normativity (other than the sociology of law). Contemporary topics and practices of individual and collective normativity. The social actor as an ethical subject (their motivations and moral justifications); ethicization of social relations (solidarity, recognition, justice, injustices, inequalities, etc.); normative bodies (new powers or powers over oneself).	https://etudier.uqam.ca/cours?sigle=SOC8845&p=1661	Focused	10
STS8060	0	Ethical issues in science and technology	Science	Graduate	The course explores, from an interdisciplinary perspective, issues relating to ethics and professional conduct in science and technology. Its content covers the following aspects: emergence, development and topicality of the ethics of scientific research. - Policies, systems and practices for ethical evaluation of scientific research (granting councils, local committees; - S&T Ethics Commission). - The ways in which the question is understood by the different disciplines. - Complementarities and differences. - The normative foundations of ethical reflection: the principles of precaution, responsibility, prudence and beneficence. - The constitution of a universe of practices. - Analysis of specific issues such as the normative principles implemented in technological development, the relationship between the researcher and the subjects or informants (confidentiality, consent, monitoring), research integrity (fraud), etc.	https://etudier.uqam.ca/cours?sigle=STS8060&ga_search=STS8060&ga_cat=cours	Focused	8
TRS8305	2	Dynamics of social exclusion	Social work	Graduate	This seminar introduces students to the issues raised by exclusion and social marginalization. While focusing on the historical dimension, the course focuses on the main theories that have made it possible to think about the dynamics of social exclusion and marginalization in order to identify possible intervention strategies to counter the effects. . It will be a question of understanding how the dynamics of exclusion and marginalization are combined with individual trajectories and the reality of certain communities.	https://etudier.uqam.ca/cours?sigle=TRS8305&p=1846	Focused	10
TRS8315	0	Societal transformations and challenges in an intercultural context	Social work	Graduate	This seminar aims to develop the main societal issues linked to interculturality. It allows, among other things, to make an inventory and evaluation of research, current experiences and current ideologies in the field of social intervention in a social context increasingly marked by interculturality. Examination of the elements of the social, political and economic situation that determine the conditions for social intervention in such an environment and various aspects of the dynamics of the integration of immigrants and refugees into Canadian and Quebec society (the work environment, the relationship to institutions, personal and family dynamics, the role of networks, citizenship, etc.). Illustration and analysis of various practices (public and parapublic organizations and government organizations) both in intervention with individuals, families and communities.	https://etudier.uqam.ca/cours?sigle=TRS8315&p=1846	Focused	8 10
TRS8330	0	Innovations and new development models	Social work	Graduate	This seminar makes it possible to identify how the new reality of the socio-political environment is conducive to citizen initiatives, community actions and collective enterprises and to see how the new institutional relationships which govern them are favorable to their sustainability. In the context of structural crisis characterized by the questioning of public space and the functioning of the State, critical examination of the role and contribution of social movements in this redefinition. The seminar pays special attention to new local services which aim to support individuals, families and local communities in improving living conditions, planning and protecting the environment on a daily basis. These are early childhood services and home services; initiatives to solve feeding problems; housing, employment, leisure, information and rights systems. Examination of the specific and innovative contribution of these initiatives to a new model of social and economic development.	https://etudier.uqam.ca/cours?sigle=TRS8330&p=1846	Focused	16

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GRADUATE COURSES								
TRS8340	1	Social aspects of health and analysis of practices	Social work	Graduate	The seminar offers an in-depth reflection on the field of health and social intervention. Particular attention will be paid to issues related to mental health. Presentation of the main lines of thought in the human sciences in this field and the critical examination of contemporary practices of resocialization. The seminar is divided into four blocks: 1- Health and illness; 2- Health and social inequalities 3- Normativity and mental health; 4- Analysis of mental health practices. In a transversal way, the seminar offers avenues for reflection on the possibilities of a new posture and the development of a socio-clinical practice in social work.	https://etudier.ugam.ca/cours?sigle=TRS8340&p=1846	Focused	3
TRS8410	2	Empowerment groups and practices	Social work	Graduate	This course aims to deepen the theories and concepts related to empowerment and the use of the group in the appropriation of personal and collective power. It also aims to develop a critical analysis and attitude towards so-called empowerment group practices . The student will be invited to reflect on his power as a speaker and will be introduced to the use of reflexivity in an intervention context. Finally, the course also aims to identify innovative group practices that are part of the social practices contributing to the exercise of citizenship. Analysis and criticism of the different conceptions of empowerment and their respective theories; the key concepts and elements constituting the empowerment process ; the group, group processes and mutual aid as cornerstones of the emergence of empowerment ; the strengths and limitations of certain group intervention models based on the concept of empowerment .	https://etudier.ugam.ca/cours?sigle=TRS8410&p=1846	Focused	16
TRS8420	1	Feminist practices and discourses in social work	Social work	Graduate	This seminar offers a reflection on the theoretical and methodological issues raised by emerging feminist practices and discourses in social work. It also makes it possible to identify the conditions of possibility of new feminist postures in intervention or research. - Examination of the historical evolution of feminist analysis grids of social problems, social change and power, in connection with the transformations of the profession. - Study of the contribution of critical, constructivist and poststructural studies . - Review of the intersection of social relations (genres, desires, racialized, economic, generational and disabilities) that is worn by people and communities with whom working social workers as well as by the participants themselves. - Identification of the epistemological foundations of different currents of feminist thought and action in social work and taking into account the articulation of these in the face of a specific social problem.	https://etudier.ugam.ca/cours?sigle=TRS8420&p=1846	Focused	5
TRS8425	2	Holistic and emancipatory practices in an Aboriginal environment	Social work	Graduate	This seminar aims to deepen the specific field of intervention with indigenous people, while favoring a critical and holistic reading of the issues specific to social work and the self-determination of indigenous communities. This seminar will develop a reflective posture in social work that promotes the critical articulation of different types of knowledge (traditional and non-traditional) allowing the development and implementation of practices leading to the emancipation and self-determination of indigenous people. and their communities. Study of contemporary phenomena and social problems specific to indigenous communities and critical analysis of the various programs implemented to correct them. Study of the ethical principles and values that mark Indigenous decision-making and intervention. Examination of perceptions, prejudices and cultural implicit and understanding of the role of the intervenor as native or non-native in the helping relationship. Study of responses to the situation of indigenous people through self-determination movements and intervention methods created within communities.	https://etudier.ugam.ca/cours?sigle=TRS8425&p=1846	Focused	1 3 4 5
TRS8430	1	Community organization and citizen action	Social work	Graduate	This seminar, based on different schools of thought, promotes reflection on community organization practices aimed at expanding the democratic space. An in-depth examination of how some authors define the exercise of politics. Appropriation of the concepts developed (common world, public space, etc.) in order to translate them into a perspective of intervention with communities. Examination of intervention strategies to be implemented to promote the exercise of politics. Reflection on the role of the community organizer and the ethical dimensions of the practice. Critical analysis of experiences of collective mobilization and examination of the way in which the interventions favored acting together.	https://etudier.ugam.ca/cours?sigle=TRS8430&p=1846	Focused	16

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GRADUATE COURSES								
ADM9964	1	Marketing foundations of responsible consumption	Management sciences	Graduate	<p>The seminar is developed for students engaged in a research process in administrative sciences or human sciences. It favors a multidisciplinary approach and therefore it is likely to interest students from various disciplines such as, for example, marketing, strategy, management, social responsibility, psychology and sociology.</p> <p>The objectives of the seminar are as follows:</p> <ul style="list-style-type: none"> - Develop theoretical skills in the field of responsible consumption; - Know and understand the field of study of responsible consumption; - Explore avenues of research to develop a theory in responsible consumption; - Encourage a theoretical understanding of the decision-making process towards responsible consumption behaviors; - Building a critical look at the current state of academic knowledge in responsible consumption; - Learn to organize the elements in a coherent theoretical framework adapted to the research needs of the student. 	https://etudier.uqam.ca/cours?sigle=ADM9964&ga_search=ADM9964&ga_cat=cours	Focused	12
BIO8190	0	Plant ecology	Biological sciences	Graduate	Study of problems, hypotheses and theories in plant ecology at the levels of plant populations and communities. The topics covered will be chosen according to the research interests of the participating students.	https://etudier.uqam.ca/cours?sigle=BIO8190&ga_search=BIO8190&ga_cat=cours	Focused	15
BIO8360	0	Ethical issues in science and technology	Biological sciences	Graduate	History and ecological bases of biological control. Biology of predatory, parasitic and pathogenic organisms. Methodology: prospecting, introduction and acclimatization. Conservation, enhancement and evaluation of the effectiveness of natural enemies. Biological control of forest and crop pests, weeds, vectors of medical and veterinary importance and mammals. Biological control as a component of integrated control.	https://etudier.uqam.ca/cours?sigle=BIO8360&ga_search=BIO8360&ga_cat=cours	Focused	13, 15
BIO860X	2	Interdisciplinary environmental seminar II,	Biological sciences	Graduate	Variable content course on ecology. This course will allow students to take stock of a particular aspect of the targeted field.	https://etudier.uqam.ca/cours?sigle=BIO860X&ga_search=BIO860X&ga_cat=cours	Focused	
CHI8100	1	Sensors and biosensors	Science	Graduate	<p>This course aims to expose students to the field of sensors and biosensors, their design, manufacture and uses.</p> <p>Transduction methods involved in the detection and amplification of chemical sensors and biosensors.</p> <p>Design of polymeric, enzymatic and potentiometric sensors, their characterization and miniaturization.</p> <p>Use of sensors in different analytical techniques, in electrochemistry and in fluorescence and Raman spectroscopy.</p> <p>Discussion of recent applications of sensors and biosensors in the fields of environment, materials and biology.</p>	https://etudier.uqam.ca/cours?sigle=CHI8100&ga_search=CHI8100&ga_cat=cours	Focused	13, 15, 9
COM9132	0	Organizational communications and environment	Communication	Graduate	The concept of environment - Physical, economic, social, political and global environments. The evolution of theories relating to the organization-environment relationship. The emergence of the notion of network as the main mediation between organization and development (health, environment, sustainable development, etc.).	https://etudier.uqam.ca/cours?sigle=COM9132&ga_search=COM9132&ga_cat=cours	Focused	16

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GRADUATE COURSES								
ECO8010	1	Benefit-cost analysis	Economic science	Graduate	Theory and practice of benefit-cost analysis as a support for decision-making in private and public investments, social programs, pricing, taxation, regulation and development projects. Case study such as: environmental policies and management, management of non-renewable natural resources, evaluation of social programs, industrial modernization program.	https://etudier.ugam.ca/cours?sigle=ECO8010&ga_search=ECO8010&ga_cat=cours	Focused	12
ECO8071	3	Economics of natural resources and the environment	Economic science	Graduate	Application of capital theory and dynamic analytical methods to the economics of natural resources and the environment. Optimal management criteria in the case of renewable resources, exhaustible or not, and non-renewable resources. Case analyzes, according to the interests of the participants: fisheries and forests, mines, pollution, water conservation, etc. Study of specific themes: taxation of polluting activities, natural resources and sustainable development, evaluation of resource rents and applications to "green " national accounts . trade and development of resource-intensive economies, etc.	https://etudier.ugam.ca/cours?sigle=ECO8071&ga_search=ECO8071&ga_cat=cours	Focused	13, 14, 15
ENV7100	1	Environmental Law	Environmental sciences	Graduate	This course has two complementary objectives: critical knowledge of the social framework of environmental judicialization and the analysis of conventions, laws and regulations specific to different areas of the environment. Environmental issues and law: status, approaches and methods. Legal instruments and the environment. Ecosystem approach and law: overlaps of legislative powers, duplication and loopholes. Principles and legal means of pollution control and biodiversity conservation. Study and analysis of international conventions, federal and Quebec laws and regulations specific to certain fields of environmental sciences.	https://etudier.ugam.ca/cours?sigle=ENV7100&ga_search=ENV7100&ga_cat=cours	Focused	8, 10, 16
ENV7110	3	Environmental impact assessment	Environmental sciences	Graduate	This course aims to familiarize the student with the process and methods used to organize, carry out and analyze an environmental impact assessment (EIA) of a project, program or policy. Role and place of EIA in planning processes and in the project cycle. Stages and constituent elements of the process: planning, identification of impacts, impact assessment, EIA report, environmental monitoring. Study of techniques for evaluating expected impacts; their advantages and limitations. Federal and provincial procedures for accepting a project. EIA in an international context, particularly in the case of developing countries. Application of the different concepts to concrete and topical examples drawn from the North American and international reality .	https://etudier.ugam.ca/cours?sigle=ENV7110&ga_search=ENV7110&ga_cat=cours	Focused	13, 16,
ENV7120	3	Environmental management in organizations	Environmental Sciences (Institute)	Graduate	This course aims to prepare students to become effective stakeholders in environmental management within various organizations of society. Integration of environmental concerns by organizations: mission of companies and institutions, organizational structures, environmental policy, decision-making, management methods and role of partners. Environmental management tools: training, communication, control of operations, audit or environmental verification procedures, performance indicators and continuous improvement process. Competition, balance of power and solidarity in the context of market globalization. International standards and ISO 14,000 certification.	https://etudier.ugam.ca/cours?sigle=ENV7120&ga_search=ENV7120&ga_cat=cours	Focused	13, 16,
ENV7230	0	Global geopolitics and environment	Environmental sciences	Graduate	This course aims to provide a better understanding of the geopolitical dimension of environmental issues in a context of globalization. Evolution of economic and environmental policies and programs and review of the international institutions that support them. Sectors of influence, nature of intervention powers. Appropriation of resources and democracy. International trade and environmental management. Case studies.	https://etudier.ugam.ca/cours?sigle=ENV7230&ga_search=ENV7230&ga_cat=cours	Focused	16, 17

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GRADUATE COURSES								
ENV7410	0	Sociopolitical analysis of environmental issues	Environmental Sciences (Institute)	Graduate	This course aims to deepen the understanding of the social dimension of environmental issues from a resolving perspective. Evolution of economic and environmental policies and programs in a context of globalization and review of national and international institutions that support them. Sectors of influence, nature of intervention powers. Appropriation of resources and democracy. Neoliberal thought and its implications for environmental management. The evolution of the private / public sector relationship with regard to the environment. Empirical analysis of the main social and political forces present in different types of environmental controversies. Problem solving strategies: consultation, concertation, mediation.	https://etudier.ugam.ca/cours?sigle=ENV7410&ga_search=ENV7410&ga_cat=cours	Focused	16, 17
ENV9501	2	Dynamics of environmental systems	Environmental sciences	Graduate	Comparison of terminology and concepts related to systems in the different disciplines of Environmental Sciences. Study of holistic concepts of the dynamics of environmental systems: flow of information, energy and matter, feedback phenomenon. Introduction to software packages for forecasting and simulating dynamic systems in the environment. Equation and simulation of dynamic systems in environment. Stochastic processes, problems of identification and estimation of parameters.	https://etudier.ugam.ca/cours?sigle=ENV9501&ga_search=ENV9501&ga_cat=cours	Focused	
ENV9550	0	Environmental management in organizations	Environmental sciences	Graduate	Individual activity spanning a quarter. Each candidate chooses, in collaboration with his supervisory committee, a topic of reading relevant to his academic approach, in an interdisciplinary approach. These readings aim to put the student in contact with the main currents and applications in a field of research that interests him, while exposing him to more general concepts such as the contribution of this field to environmental sciences as well as interfaces with other fields of environmental research. The list of readings and the methods of monitoring the reading program are established by one or more professors accepting the supervision.	https://etudier.ugam.ca/cours?sigle=ENV9550&ga_search=ENV9550&ga_cat=cours	Focused	12
ENV9560	0	Cutting-edge topics in ecology	Environmental sciences	Graduate	This course aims, through an interdisciplinary approach, to put the student in contact with recent developments in fundamental and applied research in environmental sciences. These cutting-edge topics are presented by professors, guest speakers and students. Each presentation focuses on a few publications dealing with selected topics in environmental sciences, disciplinary and / or multidisciplinary in scope. These publications are read in advance by the whole group in order to facilitate the discussion which follows each presentation.	https://etudier.ugam.ca/cours?sigle=ENV9560&ga_search=ENV9560&ga_cat=cours	Focused	9
ENV956X	1	Cutting-edge subjects in environmental sciences,	Environmental sciences	Graduate	This course aims, through an interdisciplinary approach, to put the student in contact with recent developments in fundamental and applied research in environmental sciences. These cutting-edge topics are presented by professors, guest speakers and students. Each presentation focuses on a few publications dealing with selected topics in environmental sciences, disciplinary and / or multidisciplinary in scope. These publications are read in advance by the whole group in order to facilitate the discussion which follows each presentation.	https://etudier.ugam.ca/cours?sigle=ENV956X&ga_search=ENV956X&ga_cat=cours	Focused	9
EUR9119	0	Heritage and local development	Geography	Graduate	This seminar aims to understand how heritage must and can support local development, whether as a permanent agent of urban space or as a lever for social and economic development, and, more generally, to encourage reflection on the processes and results of meaningful investment in the human environment. The seminar thus aims to enable students to understand heritage as a social representation and as a political issue, to consider the mechanisms and potentials of the action of public authorities in the matter, to know and analyze development cases. based on heritage and to assess heritage projects in the light of their economic and social issues.	https://etudier.ugam.ca/cours?sigle=EUR9119&ga_search=EUR9119&ga_cat=cours	Focused	11, 13, 16

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GRADUATE COURSES								
GEO8735	1	Thematic seminar in ecology	Geography	Graduate	From the concepts, notions and central paradigms of economic sociology and geography, a framework for analyzing local development initiatives in countries of the North and the South is formulated. Concrete case studies of local, regional, metropolitan, national and continental development are presented.	https://etudier.ugam.ca/cours?sigle=GEO8735&ga_search=GEO8735&ga_cat=cours	Focused	17
ISS9201	1	Health, populations and society	Multi	Graduate	This course will address the main conceptual and theoretical frameworks for describing the influence of multiple factors on the health of individuals and populations. The processes by which these factors interact at different scales will be discussed. Through readings and class discussions, students will develop a systems perspective on the origin of variations in health within populations. The seminar will also allow students to understand the main methods of epidemiological analyzes. Particular attention is paid to understanding the origin of social inequalities in health as well as to the capacity of population studies to support decision-making and intervention.	https://etudier.ugam.ca/cours?sigle=ISS9201&p=2350	Focused	3
ISS9420	0	Health, society and environment	Multi	Graduate	This course aims to allow students to familiarize themselves with ecosystem approaches to health in order to be able to integrate them into their own research project. This is a hybrid course (face-to-face and online) offered in collaboration with other Canadian universities. Adopting an "active pedagogy" model, the course includes activities aimed at integrating learning into student projects and group work around a case study (including field activities). This case study varies each year. For example, the study can focus on issues such as urban mobility, waste management, the role of the university in its watershed, the outbreak of an infectious disease, the health of a river through time, etc. In addition to face-to-face sessions that focus on local issues, the course includes online sessions on the main themes of ecosystem approaches to health (complex systems, transdisciplinarity, participation, social and gender equity, sustainability and action) led by professors from different Canadian universities and from different disciplines and by partners from the practical world.	https://etudier.ugam.ca/cours?sigle=ISS9420&p=2350	Focused	3
ISS9420	0	Thesis project	Faculty of Human Sciences	Graduate	Adopting an "active pedagogy" model, the course includes activities aimed at integrating learning into student projects and group work around a case study (including field activities). This case study varies each year. For example, the study can focus on issues such as urban mobility, waste management, the role of the university in its watershed, the outbreak of an infectious disease, the health of a river through time, etc. In addition to face-to-face sessions that focus on local issues, the course includes online sessions on the main themes of ecosystem approaches to health (complex systems, transdisciplinarity, participation, social and gender equity, sustainability and action) led by professors from different Canadian universities and from different disciplines and by partners from the practical world.	https://etudier.ugam.ca/cours?sigle=ISS9420&ga_search=ISS9420&ga_cat=cours	Focused	3, 11, 12
MBA6010	0	Advanced industrial microbiology	National Institute for Scientific Research (INRS)	Graduate	Introduction to good manufacturing practices, as well as a description of the premises, equipment and personnel required as well as essential hygiene measures. The implications of quality assurance and quality control departments in manufacturing. General and specific features applicable to the pharmaceutical, biological, diagnostic, cosmetic, food and sanitary industries.	https://etudier.ugam.ca/cours?sigle=MBA6010&ga_search=MBA6010&ga_cat=cours	Focused	8, 9, 12
SOC8740	3	Environment, sociology and society	Sociology	Graduate	Sociological study of the conditions and factors of emergence of environmental questions in contemporary societies. Sociohistorical analysis of the main currents of thought. Examination of economic issues, national and international public policies on the environment in a context of globalization, controversies and modes of action of the various actors.	https://etudier.ugam.ca/cours?sigle=SOC8740&ga_search=SOC8740&ga_cat=cours	Focused	16, 17

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GRADUATE COURSES								
STA9800	3	Globe Dynamics	Environmental sciences	Graduate	Synthesis and assessment of research themes in the various disciplinary fields of planet sciences. Students are invited to an exhaustive review of current scientific topics where scientific analysis and criticism can be developed within the framework of issues specific to the program's field of study. The fields of study cover all the earth's envelopes and the processes that take place there: internal geodynamics, including the study of physical and chemical mechanisms, from the core to the earth's crust (seismic tomography, chemical geodynamics, heat flux , etc.); and external geodynamics, which includes the study of global changes, past and future evolution of continents, oceans, and the atmosphere, meteorology, climatology, as well as the modeling of past, present and future climates .	https://etudier.uqam.ca/cours?sigle=STA9800&ga_search=STA9800&ga_cat=cours	Focused	15
STA9850	3	Earth and Atmosphere Science System Concept	Environmental sciences	Graduate	In this course, the student deepens his knowledge of the quantitative methods required to carry out characterizations and models of terrestrial systems, and their interactions. After a review of the main quantitative methods used in earth and atmospheric sciences, the course allows the deepening of a certain number of methods appropriate to the needs of the students among the following: the resolution of sampling problems; analysis of uncertainties; the analysis of fractionations, mixtures and mass equilibria; analysis of time series and multidimensional; analysis of geometric or spatially distributed data; digital simulation of phenomena; solving inverse problems; taking into account the heterogeneity of environments and the variability of time and space scales, etc.	https://etudier.uqam.ca/cours?sigle=STA9850&ga_search=STA9850&ga_cat=cours	Focused	13
TRS9003	0	Seminar on social policies	Social science	Graduate	Analysis of social policies and their impact on social work and the clientele they reach. Study of the interactions between social policies and the management methods of the social work organizations responsible for their application.	https://etudier.uqam.ca/cours?sigle=TRS9003&p=1506	Focused	8
TOTAL:	203	Higher cycles: number of courses given directly related to eco-responsibility (sustainability focused courses)						

List of Sustainability Inclusive courses - 2017 to 2020 - Graduate cycles

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
ADM9945	2	Social and collective enterprises	Management sciences	Graduate	The seminar covers the main theoretical currents explaining the existence and functioning of social and collective enterprises, in management, sociology and economics. The main organizational issues specific to them are also addressed, such as their modes of emergence and development, the role of users and citizens in their governance and orientation, partnership networks, alternative forms of funding, social utility and impact measurement.	https://etudier.uqam.ca/cours?sigle=ADM9945&ga_search=ADM9945&ga_cat=cours	Indirect	16

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
BIO8901	0	Biotechnologies applied to plant improvement	Biological sciences	Graduate	Study of the different methods used in plant biotechnology for plant improvement. Fusion of protoplasts for the formation of somatic hybrids, comparison of sexual crossing with somatic hybridization from the point of view of the inheritance of nuclear and cytoplasmic genes. Genetic incompatibility in higher plants, in vitro culture techniques to solve this problem. Production and use of haploid plants, direct transfer of organelles. DNA transfer by: tissue coculture with Agrobacterium , microinjection and electroporation. Expression of transferred genes. Examples of applications: fixation of molecular nitrogen, resistance to viruses, insects and fungi.	https://etudier.uqam.ca/cours?sigle=BIO8901&ga_search=BIO8901&ga_cat=cours	Indirect	15-Sep
CHI8600	2	Spectroscopic study of biological systems	Science	Graduate	The objective of the course is to present recent spectroscopic methods which allow the direct study of biological phenomena. Students will be able to use these skills in the study of biological and biochemical processes. Study of biological systems and processes by fluorescence spectroscopy, IR, Raman, electrochemistry and nuclear magnetic resonance. Application to the study of transmembrane proteins involved in photosynthesis , in ionic transport, and toxicology.	https://etudier.uqam.ca/cours?sigle=CHI8600&ga_search=CHI8600&ga_cat=cours	Indirect	9
DES8003	3	Methods in environmental design	Design	Graduate	Course which aims to allow the deepening of the conception process in design and the acquisition of the methods of investigation, documentation and analysis necessary for the implementation of a research project, creation and intervention in environmental design. The course will use case studies and scenarios based on the work and experience of various design practitioners and researchers in order to understand the relationship between knowledge and action. Initiation to the methods of collecting, processing and analyzing information best suited to the fields that make up the design of the environment. Emphasis will be placed on various qualitative approaches: interview, observation, archival research, analysis of documentary sources, interpretation, analysis of the built environment, project evaluation, reception , etc. The final work of this course will take the form of a collective exercise that will focus on the knowledge and use of research and analysis methods common to the fields of environmental design and research. .	https://etudier.uqam.ca/cours?sigle=DES8003&ga_search=DES8003&ga_cat=cours	Indirect	12
ENV7030	4	Elements of epistemology	Sciences / Environmental Sciences	Graduate	The objective of this course is to acquire a basic training in epistemology, in order to develop a rigorous, creative and critical perspective in the relationship to science in general and to environmental sciences in particular. Definition of the basic concepts of epistemology from the theoretical context in which Western science has developed. Popper's falsificationist theory . Kuhn's theory of paradigms. The theory of Lacatos research programs . Dualism, reductivism and emergentism . Multidisciplinarity, interdisciplinarity and transdisciplinarity. The epistemological situation of environmental sciences and comparison with cognitive sciences. The systems approach in environmental sciences.	https://etudier.uqam.ca/cours?sigle=ENV7030&ga_search=ENV7030&ga_cat=cours	Indirect	
FEM7000	10	Multidisciplinary Seminar in Feminist Studies: Approaches, Theories and Research Methods in Feminist Studies	Faculty of Human Sciences	Graduate	This seminar is a place of analysis and synthesis of the theoretical and methodological contributions developed in feminist studies. It aims for an in-depth understanding of fundamental theoretical debates in this multidisciplinary field of study. Likewise, it focuses on the critical examination of analytical tools from various disciplines from the point of view of feminist research. This seminar should allow the integration and questioning of the research interests of the participants according to a feminist approach adapted to the investigation of the social relations of sex or the relations of gender. Preferably, this seminar will be given in team- teaching or will make room for outside contributions.	https://etudier.uqam.ca/cours?sigle=FEM7000&p=3542	Indirect	

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
GDF7204	0	Consolidation 1	Environmental Sciences (Institute)	Graduate	This course aims to integrate notions relating to knowing how to communicate, consensus building, leadership and ethics, so as to bring the student to become aware of professional life. Putting a forest ecosystem management plan into practice requires from the manager a good capacity for communication, discussion, consensus building and above all good leadership. This course aims to develop the basic knowledge of these notions and to put them into practice through role plays. More specifically, this course aims to acquire the following notions, and gives students the opportunity to practice mastering the skills associated with it: - interpersonal relations and with the general public; - consensus building techniques; - Professional Ethics ; - leadership; - communication in large and small groups; - marketing and advertising.	https://etudier.uqam.ca/cours?sigle=GDF7204&ga_search=GDF7204&ga_cat=cours	Indirect	16
GDF7302	0	Practical work in the field	Environmental Sciences (Institute)	Graduate	This course aims to put into practice the different approaches and methodologies of field data collection seen in the course GDF7102 - Ecosystem services 1 - ecological aspects. The implementation of an ecosystem-based forest management plan requires the manager to have access to data on the territory under management. As part of this course, the student will become familiar with the techniques associated with collecting these data, namely: - inventory techniques for forest resources; - techniques for in situ characterization of natural disturbance regimes; - the use of GIS and spatial modeling tools; - field monitoring techniques. Course lasting two times five days taking place in one or the other of the participating establishments and requiring the physical presence of the students. Practical work in the field and laboratories; report writing.	https://etudier.uqam.ca/cours?sigle=GDF7302&ga_search=GDF7302&ga_cat=cours	Indirect	15
GDF8401	0	Consolidation 2	Environmental Sciences (Institute)	Graduate	This course aims to allow students to visit one or other of the regions of Quebec and become familiar with the issues affecting forest ecosystems specific to this region. It also gives students the opportunity to share their experience of their training with the first cohort. Speakers from the regional forestry community will share with students, in the form of seminars followed by discussions, their experiences of past and current realities and issues. This course also gives 2nd year students the opportunity to share their own experiences in the program with newly registered students.	https://etudier.uqam.ca/cours?sigle=GDF8401&ga_search=GDF8401&ga_cat=cours	Indirect	15 16
GEO7630	3	Integration and visualization of geographic data	Geography	Graduate	Methods of integrating digital cartographic data and remote sensing data, combined presentation and cross-analysis of these data. Production of maps, image maps, animations and other documents for visualization of the territory, with a view to visualization, based on notions of visual perception and on the "communication" approach in cartography. Presentation of three-dimensional data and elevation models. Learning tools to make the most of the possibilities of graphical representation offered by new and traditional methods of visualizing georeferenced data, as well as certain automated spatial analysis methods.	https://etudier.uqam.ca/cours?sigle=GEO7630&ga_search=GEO7630&ga_cat=cours	Indirect	15
GEO8142	3	Remote sensing applied to contemporary issues <	Geography	Graduate	Study of the physical bases and the different spectral windows used in remote sensing. Elements of acquisition, preprocessing, processing and extraction of information in an application perspective. Experimentation using airborne and satellite data from landscapes with different physical and ethnocultural characteristics. Laboratory periods. Field trips.	https://etudier.uqam.ca/cours?sigle=GEO8142&ga_search=GEO8142&ga_cat=cours	Indirect	15
GEO8571	1	Geography and ecology	Geography	Graduate	This course examines the relationships between biophysical and social systems. It is made up of two parts. The first includes notions of systems (ecosystems, hydrosystems, geosystems) and landscape sciences, as well as an in-depth analysis of the dynamic combinations of biophysical and anthropogenic elements and their evolution. The second includes case studies devoted to the evolution of landscapes in their historical context, to major development projects, or to river systems in relation to the colonization of watersheds.	https://etudier.uqam.ca/cours?sigle=GEO8571&ga_search=GEO8571&ga_cat=cours	Indirect	4

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
JUR7211	3	Foundations of labor and social protection laws	Legal Sciences	Graduate	This course presents the theoretical and conceptual corpus of labor law and social protection and allows the student to deepen the foundations of these laws and to situate this right in a historical, economic and socio-political perspective. The course invites the student to go beyond the exegetical and narrow approach of positive law in order to develop a critical analysis. At the end of the course, the student will be able to articulate the relations between society-law-state and to master the contemporary issues of work and social protection. The course content will include: the different schools of thought that have shaped the evolution of labor law and social protection; the evolution and the political, cultural and technical revolutions which have marked the development of this right; the social, economic and political phenomena which are the subject of labor law and social protection (production and labor relations, trade union movements, the transfer of economic and social risks linked to work, social gender relations , etc.)	https://etudier.ugam.ca/cours?sigle=JUR7211&p=1661	Indirect	8
JUR7240	2	Income protection and social solidarity schemes	Legal Sciences	Graduate	This course aims to analyze the evolution of concepts and mechanisms of social security and protection, to develop a knowledge of contemporary income replacement mechanisms related to paid, unpaid and unpaid work, to explore the links between these mechanisms and the objectives of justice, equity and accessibility and to assess the evolution of the rights of beneficiaries of the plans. The course will focus in particular on the issues raised by: the collectivization and individualization of risks related to economic security; basic income security schemes; unemployment insurance; parental insurance; pension plans, both private and public; constitutional problems associated with income protection regimes; the rights of beneficiaries; the role of the different actors in the administration and financing of the schemes.	https://etudier.ugam.ca/cours?sigle=JUR7240&p=1661	Indirect	8
JUR7251	2	Strategies for mobilizing labor law and social protection	Legal Sciences	Graduate	At the end of this course, students will be able to grasp the framework in which the implementation of labor law and social protection takes place. Students will also have an in-depth understanding of the operating characteristics of the bodies responsible for ensuring this implementation, as well as their interaction. Students will also be able to map the social dynamics occurring during the implementation of labor law and social protection. Students will also be able to identify which factors are likely to favor or inhibit the use of the protections conferred by the normative instruments making up this regulatory body. The purpose of this course is to study the context of handling individual and collective disputes between employees and employers as well as the analysis of the issues relating to access to social protection schemes set up, for example, by the Law on employment insurance or the Act respecting industrial accidents and occupational diseases. Particular attention will be paid to the strategies and practices put forward by various actors (workers, unions, employers, the State, employers' association, organizations for the defense of employees' rights, etc.) in this matter.	https://etudier.ugam.ca/cours?sigle=JUR7251&p=1661	Indirect	8

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
JUR7670	0	International law, technological development and the environment	Legal Sciences	Graduate	The objectives of this course are to study the relationships between techno-scientific standards and the rules of law from their process of emergence and application to their reception and control by law; to analyze the regulatory and control mechanisms offered by current law and to reflect critically on legal solutions in comparative and international law; to analyze legal responses to the problems posed by global changes in international and comparative law; to familiarize students with international organizations as normative bodies participating in the normative framework of technological activities; to examine international normative methods and their legal significance both in the international legal order and in the relationship between the international legal order and the internal legal order; analyze the mechanisms by which international technological standards influence internal technological standards as well as the social impacts of such a process. The material treated in this course will be chosen from the following fields of observation and according to their specific issues. Identification of technologies subject to international regulations: telecommunications, Internet, IT, biotechnology, civil nuclear activities, etc. ; the analysis of the emergence and application of technoscientific standards in the different technological sectors examined will make it possible to highlight the similarities and differences between them so as to identify the existence, or not, of normative trends with the consequences which result in terms of the relationship between law, technoscience and society. The environment: the main international instruments on the control of transboundary pollution, the control of sources of atmospheric pollution, the transport of toxic products, the prevention of maritime pollution and the management of common and shared resources; the Rio Conference on Environment and Development; world heritage and biodiversity; civil and criminal liability; the various legal mechanisms for information, consultation and participation in the management of environmental risks, in international and comparative law.	https://etudier.uqam.ca/cours?sigle=JUR7670&ga_search=JUR7670&ga_cat=cours	Indirect	16
MKG8418	3	Marketing of social and collective enterprises	Management sciences	Graduate	This course aims to bring the student to understand and integrate the concepts of marketing in order to be able to apply them in the context of social and collective enterprise (cooperative, non-profit organization, non-governmental organization, etc.). This course requires combining elements of traditional marketing and social marketing. Emphasis will therefore be placed on knowing the target audiences and their environment, the tools to increase this knowledge, the marketing strategies necessary to achieve the organization's objectives and the mechanisms for providing feedback. At the end of the course, the student should be able to develop a marketing plan for a cooperative, a non-profit organization or even a cause (social marketing), which implies that he will have integrated all the dimensions of the marketing. The course will address the following topics in particular: analysis of the environment and behavior of target audiences, segmentation, marketing research, marketing strategies, communication / promotion to target audiences, evaluation of strategies, social marketing.	https://etudier.uqam.ca/cours?sigle=MKG8418&p=0623	Indirect	12
MKG8429	8	Intercultural Marketing	Marketing	Graduate	Understand the effects of culture on consumer behavior and marketing communications as well as their impact on marketing strategy. Familiarize students with the concepts, models and fields of application of this discipline. Develop intercultural research skills. The aim of this course is to study consumer behavior, including aspects that affect marketing communication, in an intercultural context.	https://etudier.uqam.ca/cours?sigle=MKG8429&ga_search=MKG8429&ga_cat=cours	Indirect	12

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
ORH7300	3	Management and governance of social and collective enterprises	Management sciences	Graduate	This course aims to understand and integrate general management principles, general management functions and the role of the board of directors of social and collective enterprises. It also aims to acquire the knowledge necessary to understand and analyze the distinctive features of this type of organization. At the end of the course, the student will be able to distinguish their characteristic features and explain the main impacts on the management and governance functions of these organizations. This course will deal in particular with the specificity of modes of organization, their similarities and dissimilarities from other forms of business (private and public), the impact of these modes of organization on management (eg. Function of relationship with members, dual economic and social mission, non-profit purpose of the ownership structure, etc.), rules and principles of governance (particularly in terms of ethics and professional conduct), etc.	https://etudier.uqam.ca/cours?sigle=ORH7300&p=0623	Indirect	8 12
ORH7310	3	Human resources management in social and collective enterprises	Management sciences	Graduate	This course aims to understand and integrate the principles of human resources management that characterize social and collective enterprises. At the end of the course, the student will be able to: - identify the issues and challenges posed by HRM for the manager; - identify and verify the application of the different theoretical models of HRM in social and collective enterprises; - apply HRM evaluation as a continuous improvement process; - apply the different functions of HRM in social and collective enterprises; - explain the types of development strategies of the organization in connection with its HRM. This course will mainly deal with the following concepts: operational aspects of the human resources function, the main HRM functions (recruitment, training, remuneration, etc.), the more specific dimensions of HRM within social and collective enterprises, such as as volunteer management, mobilization and participation.	https://etudier.uqam.ca/cours?sigle=ORH7310&p=0623	Indirect	8
ORH8406	3	Legal issues in human resources management	Management sciences	Graduate	General objective This course allows the student to master the legal issues necessary for the development of strategic practices in human resources management. The student is encouraged to reflect on the role, functions and limits of labor law at the societal and organizational levels. Specific objectives At the end of the course, the student should: - recognize labor law as a constraint of the legal, social and political environment, but also as a source of opportunities, from a strategic point of view; - participate in decision-making relating to HRM functions with an enlightened view from a legal point of view; - understand the strategic impacts of respecting and violating rights and legal obligations related to the management of human resources and organizations; - ensure respect for the rights and obligations of employees and employers within the organization. Summary of content - The role, functions and limits of labor law at the societal and organizational levels. - Charters and fundamental human rights at work. - The role of the autonomy of the (individual) will and of common law in the regulation of the individual work relationship. - The specific laws and regulations applicable to the employment relationship. - The collective rights of employees: their exercise, their effects and their limits.	https://etudier.uqam.ca/cours?sigle=ORH8406&ga_search=ORH8406&ga_cat=cours	Indirect	8
ORH8410	5	Management of the ethical dimension in an organization	Management sciences	Graduate	General objective Develop skills in the management of the ethical dimension within an organization. Specific objectives At the end of the course the student should: - recognize the ethical issues within an organization; - establish a diagnosis of ethical risk; - identify the relevant solutions to avoid the adoption of misconduct; - sensitize students to the adoption of ethical leadership. The success of an organization depends, among other things, on establishing a harmonious relationship between the various stakeholders. To do this, managers must encourage individuals who work within the organization to adopt, when required, behaviors that are consistent with the values shared by these stakeholders. This course will allow students to recognize organizational situations that involve an ethical dimension and to identify the procedure to follow. The latter will also be introduced to the various diagnostic tools aimed at assessing ethical risk, ie the risk that a member of the organization will adopt an error of conduct. Management practices will be offered to them to reduce this risk. Finally, as future managers, they will be made aware of the importance of the impact they will have on the quality of the ethical climate of the organizations in which they will work .	https://etudier.uqam.ca/cours?sigle=ORH8410&ga_search=ORH8410&ga_cat=cours	Indirect	8 10 12

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GRADUATE COURSES								
ORH8419	2	Organizational development: Building a humanist organization	Management sciences	Graduate	Organizational development (OD) aims to implement intervention approaches to resolve dysfunctions in social dynamics or develop the potential of individuals and groups while maximizing organizational effectiveness. These approaches require DO advisers with a strategic, systemic and humanist vision as well as an ability to intervene at the organizational, relational, cognitive and emotional levels. This course aims to develop the knowledge (knowledge, know-how, interpersonal skills, know-how) specific to the organizational development advisor: Know the fields of intervention in DO Critically analyze the profession of the DO advisor and the processes in OD Determine and plan OD interventions, at the individual, group and organizational level Develop the main qualities of the OD advisor Discuss future issues and challenges in OD	https://etudier.uqam.ca/cours?sigle=ORH8419&ga_search=ORH8419&ga_cat=cours	Indirect	8 10
ORH8421	1	Theories and practices of alternative organizations	Management sciences	Graduate	The emergence of social innovations is often linked to organizations and practices that position themselves as alternatives to the dominant model, and that should be approached and analyzed with appropriate approaches, perspectives and methodologies. The general objective of this course is to provide students with grids and analytical tools allowing them to capture the particularities and challenges of alternative organizations with various forms and practices. More particularly, the student will have the opportunity to better understand the concepts and theoretical approaches adapted to the study of alternative organizations as well as to explore the peculiarities and challenges of management and research in alternative organizations from empirical cases.	https://etudier.uqam.ca/cours?sigle=ORH8421&ga_search=ORH8421&ga_cat=cours	Indirect	8 10
POL8511	1	Development approaches and practices	Political Sciences	Graduate	The seminar analyzes in depth the theoretical approaches to development, its challenges and its main actors from a critical and multidisciplinary perspective. The role of the State, the private sector and international institutions will be discussed as well as alternative development strategies and actors. Development policies practiced by multi-level actors (international, national and sub-national) in countries of the "global South" will be studied and put into perspective in relation to each other.	https://etudier.uqam.ca/cours?sigle=POL8511&p=1661	Indirect	16 17
POL8521	0	Institutions and international cooperation	Political Sciences	Graduate	From a critical, historical and interdisciplinary perspective, this seminar addresses the foundations of international cooperation and its main actors: States and international and regional development institutions. The evolution of official development assistance and the strategies of international and regional institutions is analyzed. The legal framework and the competences of these actors are detailed as well as the impact of their policies on the countries to which they are addressed.	https://etudier.uqam.ca/cours?sigle=POL8521&p=1661	Indirect	17
SCA7001	3	Dynamics of the atmosphere	Sciences / Environmental Sciences	Graduate	Application of the laws of fluid mechanics to atmospheric phenomena with an emphasis on large-scale processes where the rotation of the earth exerts a primary influence on atmospheric circulation, and the effects of viscosity and turbulence are negligible. Forces in the atmosphere: pressure, gravity, centrifugal, Coriolis. Static stability. Whirlpool concept. Hydrostatic and geostrophic equilibrium. Thermal wind and jet stream. Vertical structure of weather systems. Vertical movement at synoptic scale. Coordinate systems on Earth and generalized vertical coordinates. Introduction to atmospheric waves. General circulation elements.	https://etudier.uqam.ca/cours?sigle=SCA7001&ga_search=SCA7001&ga_cat=cours	Indirect	
SCA7026	3	Planetary boundary layer	Sciences / Environmental Sciences	Graduate	Study of flows in the atmospheric boundary layer under different thermal stratification regimes: unstable, neutral and stable. Radiative transfers and turbulent transfers of heat, water vapor and momentum in the boundary layer. Boundary layer settings in meteorological models. Energy and water balances on the surface. Modeling of the earth's surface, surface-climate interactions. This course combines lectures and computer workshops to allow the student to put into practice the studied methods.	https://etudier.uqam.ca/cours?sigle=SCA7026&ga_search=SCA7026&ga_cat=cours	Indirect	

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GRADUATE COURSES								
SCA7214	3	Numerical methods in meteorology	Sciences / Environmental Sciences	Graduate	Introduction to the numerical methods used to integrate atmospheric equations over time. Finite difference and Galerkin discretization by finite elements and Fourier series. Explicit, implicit and semi-implicit temporal schemes. Semi-Lagrangian method for transport. Application to the study of the propagation of Rossby and gravity waves . Method of mathematical analysis of the stability, precision and retention of a digital scheme. This course combines lectures and computer workshops to allow the student to put into practice the methods used.	https://etudier.uqam.ca/cours?sigle=SCA7214&ga_search=SCA7214&ga_cat=cours	Indirect	
SCA7216	3	Data assimilation	Sciences / Environmental Sciences	Graduate	Data assimilation aims to produce the best estimate of the state of the atmosphere, based on the principles of statistical estimation, and combining all available land, airborne and satellite observations, as well as an estimate of priori provided by an atmospheric forecast produced by a numerical weather prediction model. Particular emphasis is placed on the direct assimilation of satellite data. Reminders of basic statistical concepts. Assimilation as a problem of inversion with regularization; introduction of the notion of observation operator. Univariate and multivariate statistical interpolation. Variational approach . Four-dimensional methods . Filter Kalman and simplified forms such the filter Kalman overall.	https://etudier.uqam.ca/cours?sigle=SCA7216&ga_search=SCA7216&ga_cat=cours	Indirect	
SCA7276	3	Atmospheric remote sensing	Sciences / Environmental Sciences	Graduate	Study of the propagation of electromagnetic waves in the atmosphere composed of a mixture of gases, liquid droplets and solid particles. Theoretical principles and application techniques for the measurement and interpretation of atmospheric remote sensing data. Passive and active remote sensing, and in different frequency bands (infrared, microwaves, radio waves). Atmospheric radar and meteorological satellites.	https://etudier.uqam.ca/cours?sigle=SCA7276&ga_search=SCA7276&ga_cat=cours	Indirect	
SCT7001	0	Mineral resources and globalization	Science	Graduate	The course aims to raise awareness of the socio-economic dimension of the world of mineral resources and to raise awareness of the consequences of globalization in the field of mineral exploration. It will include lectures and mini-projects documented by students on the following themes: geopolitical role of mineral resources, trade flows of raw materials, evolution of prices, productions and uses, global strategy of states and major industrial groups. Place of junior companies in the international mining context. Political role of international organizations and relationship with human rights. The future of the mining world: supply, shortage, recycling, substitute materials.	https://etudier.uqam.ca/cours?sigle=SCT7001&ga_search=SCT7001&ga_cat=cours	Indirect	7 8 9
SCT7002	3	External geodynamics	Science	Graduate	The large groups are presented (lithosphere, hydrosphere, atmosphere) before a detailed analysis of the different cycles that link and transform them. Internal cycles, such as the ocean conveying loop, general atmospheric circulation, fluids and material flows in sedimentary basins, will be considered more specifically. The dynamics of the earth-oceans-atmosphere system will then be approached by examples such as the water cycle, that of alkalis or halogens, or the El Niño coupling, emphasizing the role of the biosphere, and the kinetic differences. Finally, the changes in cycles throughout the history of the Earth will be discussed.	https://etudier.uqam.ca/cours?sigle=SCT7002&ga_search=SCT7002&ga_cat=cours	Indirect	
SCT7100	0	Geotectonics	Science	Graduate	The relationships between crusts, mantle and core constitute the foundations of Earth dynamics. The course consists of two parts; the first aims to acquire a synthetic understanding of the physical and chemical aspects of internal geodynamics. We will discuss the structure of the Earth, its thermal regime, rheology and geochemistry, phase changes, the role of deep fluids and the mechanisms of convection and deformation. The formation of orogens, hot spots, rifts and basins will be examined. The evolution of the continental crust, studied by its sedimentary and magmatic messages, will illustrate the modifications of geodynamic mechanisms since the Archean. The meaning of global tectonics, paradigm or paradox, will be discussed. The second part will focus on current issues of internal geodynamics, treated in the form of seminars and tutorials: basins, geodynamic markers, scalar laws of deformation, comparative planetology.	https://etudier.uqam.ca/cours?sigle=SCT7100&ga_search=SCT7100&ga_cat=cours	Indirect	13

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
SCT7101	3	Geotectonics	Science	Graduate	This course aims to acquire knowledge in structural geology and global tectonics in order to allow a systemic analysis of different types of orogenic terrain corresponding to different structural levels of the terrestrial lithosphere.	https://etudier.uqam.ca/cours?sigle=SCT7101&ga_search=SCT7101&ga_cat=cours	Indirect	13
SCT7201	0	Analytical Methods in Earth Sciences I	Science	Graduate	Earth sciences are based on a set of methods that allow quantified observations. Under the guidance of a professor, students will tackle one or two analytical techniques in the field or in the laboratory in detail and develop methodological approaches to the chemical or physical properties of samples. The following topics can be addressed in the laboratory: diffractometric, chemical, spectrometric methods (isotope geochemistry, electron microscopy), methods based on physical properties (magnetism, density, resistance, thermal conductivity, luminescence, etc.). In the field, work may focus on microtectonics (rheological model, measurements of deformations and stresses, polyphase tectonics, associated mineralization), sequential analysis or any other quantitative method.	https://etudier.uqam.ca/cours?sigle=SCT7201&ga_search=SCT7201&ga_cat=cours	Indirect	13
SCT8086	0	Cartography: field studies	Science	Graduate	The objective of this course is to allow students to integrate their different knowledge in the field of Earth Sciences directly in the field. This integration will take place at different scales in time and space. The themes addressed will include in particular: cartography, geological at all scales, planning of the objectives of the cartography and the choice of scale, tools available in 2 and 3 D. Objective, permanent and effective documentation. Stages of mapping: reconnaissance, systematic survey, detailed survey of privileged areas. Synthesis of data. Thematic and specialized mapping (mines, environment, land use planning). Report writing. The course takes place in the form of a field trip camp.	https://etudier.uqam.ca/cours?sigle=SCT8086&ga_search=SCT8086&ga_cat=cours	Indirect	15
SCT8087	2	Field studies	Science	Graduate	The objective of this course is to allow students to integrate their different knowledge in the field of Earth Sciences directly in the field. This integration will take place at different scales in time and space. The themes addressed will include different fields of geosciences such as metallogeny, tectonics, sedimentology, etc. This course involves objective, permanent and efficient documentation work and the synthesis of different types of geological data. It can use different thematic and specialized mapping techniques (in the field of mines, the environment, land use planning, etc.). The course takes place in the form of a field trip and involves the writing of a report (s).	https://etudier.uqam.ca/cours?sigle=SCT8087&ga_search=SCT8087&ga_cat=cours	Indirect	15
SCT8300	3	Hydrothermal	Science	Graduate	The circulation of hydrothermal fluids plays a major role in the functioning of the lithosphere and in the formation of mineral deposits. The course aims to give students an understanding of the physical mechanisms of hydrothermalism, both in ancient soils and nowadays, mainly in brittle fields. The first part deals with the hydraulics of fissured environments, oceanic and continental hydrothermalism, geothermal fields and their expression in hydrothermal deposits, the consequences in terms of deformation and plutonism. The mechanics of vein fields and the study of alterations will make it possible to develop practical criteria for mining diagnosis: size and duration of hydrothermal systems, importance of associated mineralization. The second part is a one-week excursion to geological environments showing hydrothermal vents and active geothermal systems. A quarterly thematic work finally allows a personal synthesis on a topical subject.	https://etudier.uqam.ca/cours?sigle=SCT8300&ga_search=SCT8300&ga_cat=cours	Indirect	14 15
SCT8321	3	Hydrogeochemistry of water resources	Science	Graduate	The objective of this course is to understand the mechanisms responsible for the dispersion of ions, isotopes and trace elements in groundwater and in surface formations, with particular attention to the physical processes related to the entrainment of chemical species in aquifers and fluid-rock exchanges.	https://etudier.uqam.ca/cours?sigle=SCT8321&ga_search=SCT8321&ga_cat=cours	Indirect	14 15

LESSON OF THE COURSE	NUMBER OF TIMES THE COURSE HAS BEEN PRESENTED BETWEEN 2017-2020	COURSE TITLE	DEPARTMENT	LEVEL	DESCRIPTION	LINK URL	SUSTAINABILITY CLASSIFICATION	SGD CLASSIFICATION
GRADUATE COURSES								
SCT8341	3	Global geophysics	Science	Graduate	Geodynamic interactions between deep and surface processes of the Earth. Global Earth's surface tectonics and associated data that provide insight into the dynamics of the Earth's interior, particularly thermal convection in the mantle. Rheology of the Solid Earth: The tensor of the stresses and its relation with the strains. The dynamic law of motion in a continuous medium. Elastic and inelastic behavior. The viscoelasticity . The origin of mantle viscosity in terms of the microphysical properties of crystalline rocks. The Postglacial Rebound: Theory and Simple Models. The data and their interpretation. The Energetics of the Earth: The sources of energy which constitute the heat engine inside the Earth and the variations of heat flux on the surface of the planet. The Dynamics of Thermal Convection: An introduction to the basic physical principles that govern thermal convection. Applications to digital models of thermal convection in the mantle. Understanding Earth Convection with 3-D Seismic Models: An introduction to the use of global seismic tomography to digitally interpret and model convection in the Earth's mantle. This approach will be used to understand the origin of the driving forces of the tectonic plates, the origin of the geoid anomalies and the gravity field, and also to understand the origin of the dynamic topography of our planet and the consequences for the variations of the sea level.	https://etudier.uqam.ca/cours?sigle=SCT8341&ga_search=SCT8341&ga_cat=cours	Indirect	15
SCT8416	3	The Quaternary system	Science	Graduate	The first part focuses on the onset of climatic fluctuations during the Pliocene and the causes of the modulation of the cycles of glaciation-deglaciation which characterizes the Pleistocene. These themes will be addressed through the study of sedimentary records documenting ancient glaciations and the dynamics of the last glaciation in the center of the North American continent and the periphery of the frozen zone. Apparent synchronisms and diachronisms with European analogues. In the second part, the course aims at an integrated understanding of the factors of morphogenesis of landscapes. Geomorphology is seen there as a geodynamic system, evolving under the effect of climatic and tectonic constraints. The approach will be made by studying the large current morphoclimatic sets. 1) The glacial morphogenetic system: process of erosion and glacial sedimentation in the context of different thermal regimes and glacial dynamics. Zonality of glacial landscapes. 2) The periglacial environment: nature, distribution and thermal balance of permafrost. Examples from the Canadian Arctic and northern Quebec. 3) Areas not glaciated in the Quaternary: arid and semi-arid regions. Past and recent evolution of deserts. Finally, aspects of applied geomorphology will be dealt with: geomorphological assessment of environmental risks, aridification and thermokarstification .	https://etudier.uqam.ca/cours?sigle=SCT8416&ga_search=SCT8416&ga_cat=cours	Indirect	15
SCT8440	3	Deformation of mineral deposits	Science	Graduate	Mineral deposits are intimately associated with the tectonic conditions that prevail during and after their formation. The course aims to provide advanced concepts and methods on the metamorphism and deformation of deposits at different depths in the lithosphere such as the ductile deformation of gold vein deposits, and the recrystallization and deformation of volcanogenic deposits . Three to four modules of a few days are organized around a case study presenting an increasing level of structural complexity. Each module includes first a thematic synthesis from the bibliography, then an analysis and data collection work in the field (one to two days), with microtectonic and cartographic tools. The samples and measurements collected are then studied in the laboratory in order to quantitatively reconstruct the various elements of the deposit's structural history. Finally, the consequences on the morphology of the deposits and their impact in terms of exploration and production will be presented.	https://etudier.uqam.ca/cours?sigle=SCT8440&ga_search=SCT8440&ga_cat=cours	Indirect	15

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GRADUATE COURSES								
SCT8510	0	Primitive Earth System	Science	Graduate	We deal more particularly with planetary accretion processes and their dating by short-lived radiogenic isotopes; the differentiation of the Earth's core and its dating by Hf-W; the activation of the magnetic field and the formation of the ionosphere; the contribution of chondritic volatiles and the formation of the ocean-atmosphere system; chemical evolution of the earth's surface; the "chicken and egg" problem or plaque pre- tectonics; hadean mantle ; early crust. Studying the early evolution of the Earth system allows students to understand the geodynamic and geochemical processes that led our abiotic planet to open up to life. A comparison with the aborted Earths, Mars and Venus, is briefly discussed as well as the thermodynamic links between the biosphere and other terrestrial reservoirs. The course includes tutorials and student seminars. This course integrates and complements perfectly with the course of External Geodynamics, where cycles and exchanges between reservoirs are approached.	https://etudier.uqam.ca/cours?sigle=SCT8510&ga_search=SCT8510&ga_cat=cours	Indirect	15
SOC8255	5	Feminist theories and debates	Sociology	Graduate	In-depth study of the issues and theoretical models developed in feminist studies over the past decades. Critical examination of the various proposals put forward to analyze gender relations in their articulation with other social relations of division and hierarchy in the light of the debates and practices that constitute the current environment.	https://etudier.uqam.ca/cours?sigle=SOC8255&p=3486	Indirect	3 5
SOC8722	0	Sociology of marginality, marginalization and social regulations	Sociology	Graduate	Overview of sociological theories on the notions of social control and marginality. Analysis and discussion of the different sociological approaches devoted to the study of ideas, behaviors and groups considered marginal or marginalized, studies of social strategies historically implemented to regulate, manage or bring behaviors or groups back to norm.	https://etudier.uqam.ca/cours?sigle=SOC8722&p=1846	Indirect	5 10
SOC8820	0	Sociology of mental health	Sociology	Graduate	The course focuses on the sociological issues (socialization, control, regulation, medicalization, etc.) which characterize the contemporary world of institutions, disciplines, practices and discourse in mental health. It will be a question of better understanding both the theorizations and the concrete social processes linked to the definition, the intervention and the transformations of what was called "madness" and which is now called "mental disorder".	https://etudier.uqam.ca/cours?sigle=SOC8820&p=9024	Indirect	3
TRS8310	1	Social policies, state and social movements	Social work	Graduate	This seminar allows a positioning relative to the reconfiguration of the relations between the State, the market, the actors of the civil society and the family. It promotes the critical examination of the new sharing of responsibilities that are emerging, in Quebec and elsewhere, through new social policies and is interested in assessing their effects on populations. It provides a better understanding of the place and impact of the various actors of civil society with regard to this reconfiguration. The seminar examines post-providentialist social policies through various phenomena such as deinstitutionalization and insertion, specialization of services, individualization and privatization. In this context, the conditions for the emergence, potentialities and limits of social movements and of different forms of collective action are studied in relation to the issues surrounding the relations between the State, the market and civil society. The seminar is also interested in the different forms of collective action and mobilization, as well as the interface thus created between the individual subject and the collective actor.	https://etudier.uqam.ca/cours?sigle=TRS8310&p=1846	Indirect	10
TRS8320	2	Family transformation and societal issues	Social work	Graduate	This course should allow: - to understand the multiple transformations of the family in the context of contemporary Western societies; - identify the social, ethical, political and economic issues associated with this reconfiguration of families; - analyze the impact of the changes made to the Civil Code and Quebec laws affecting the family on social sex relationships, on conceptions of parenthood and filiation, and on intergenerational relationships; - explore strategies for the renewal of state and community practices (feminist and family) with regard to families. This seminar will be an opportunity to reflect on the relevance and objectives of the various social programs put in place to support families in the exercise of their responsibilities. The role played by various social movements in the transformation of family laws and practices will be studied.	https://etudier.uqam.ca/cours?sigle=TRS8320&p=1846	Indirect	

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GRADUATE COURSES								
TRS8325	1	Social dynamics of aging and issues of social gerontology	Social work	Graduate	This course offers an in-depth critical reflection on the contemporary social dynamics of aging by promoting the integration of a theoretical and practical perspective. In the first part: the representations and social constructions of age and old age, the multiple faces and paths of aging, their intersecting effects with social relations of class, sex, and culture, social exclusion and intergenerational solidarity. Second part: analysis of policies and social practices instituted to meet the needs of the elderly and the issues they raise.	https://etudier.uqam.ca/cours?sigle=TRS8325&p=1846	Indirect	
ADM9945	2	Social and collective enterprises	Management sciences	Graduate	The seminar is interested in social and collective enterprises, in particular those of the social and solidarity economy (cooperatives, associations, mutual societies, foundations, economic and community development organizations, integration enterprises, etc.) but also social enterprises in hybrid status (eg companies with share capital and social purpose). The seminar pays particular attention to the place and role of these companies in the socio-economic ecosystem as well as to the social innovations to which they are the bearers.	https://etudier.uqam.ca/cours?sigle=ADM9945&ga_search=ADM9945&ga_cat=cours	Indirect	8, 16
BCM9003	3	Health, society and environment	Environmental sciences	Graduate	This activity leads students to deepen their general knowledge in biochemistry, to regularly follow the literature, to follow major developments in knowledge in biochemistry, to master scientific communication tools and to develop a critical sense through interactions with peers.	https://etudier.uqam.ca/cours?sigle=BCM9003&ga_search=BCM9003&ga_cat=cours#	Indirect	3
BIO8901	0	Biotechnologies applied to plant improvement	Biological sciences	Graduate	Study of the different methods used in plant biotechnology for plant improvement. Fusion of protoplasts for the formation of somatic hybrids, comparison of sexual crossing with somatic hybridization from the point of view of the inheritance of nuclear and cytoplasmic genes. Genetic incompatibility in higher plants, in vitro culture techniques to solve this problem. Production and use of haploid plants, direct transfer of organelles. DNA transfer by: tissue coculture with Agrobacterium, microinjection and electroporation. Examples of applications: fixation of molecular nitrogen, resistance to viruses, insects and fungi.	https://etudier.uqam.ca/cours?sigle=BIO8901&ga_search=BIO8901&ga_cat=cours	Indirect	15
CHI8600	2	Spectroscopic study of biological systems	Science	Graduate	The objective of the course is to present recent spectroscopic methods which allow the direct study of biological phenomena. Students will be able to use these skills in the study of biological and biochemical processes. Study of biological systems and processes by fluorescence spectroscopy, IR, Raman, electrochemistry and nuclear magnetic resonance. Application to the study of transmembrane proteins involved in photosynthesis, in ionic transport, and toxicology.	https://etudier.uqam.ca/cours?sigle=CHI8600&ga_search=CHI8600&ga_cat=cours	Indirect	9
ISS9400	3	Development of health interventions	Multi	Graduate	This course aims to bring the student to develop relevant and acceptable interventions for the target communities and individuals, in connection with scientific knowledge. Components of an optimal health intervention: define the issues while respecting the perspectives of communities, targeted individuals and strategic actors involved, establish operational and acceptable objectives for the actors involved, create optimal activities to achieve the objectives, involve stakeholders in the various stages of project design and implementation, identify opportunities and constraints for transforming practices, deploy optimal means to maximize the adoption of transformed practices, schedule. Notion of interdisciplinarity; research paradigms; resolving ethical dilemmas associated with the intervention; development of communication and relational skills.	https://etudier.uqam.ca/cours?sigle=ISS9400&p=2350	Indirect	3
MBA6021	0	Food microbiology	National Institute for Scientific Research (INRS)	Graduate	Critical discussion of selected topics in environmental microbiology, streptomycete microbiology and other cutting-edge topics related to industrial microbiology. Aspects of molecular biology, protein engineering, fermentation, regulation and related analytical methods will be studied. Problem-based learning.	https://etudier.uqam.ca/cours?sigle=MBA6021&ga_search=MBA6021&ga_cat=cours	Indirect	, 9, 12

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GRADUATE COURSES								
MBA6023	0	Genetics of microorganisms of industrial importance	National Institute for Scientific Research (INRS)	Graduate	Reminder of basic concepts in genetic engineering. Development of techniques for cloning and transferring genes in certain micro-organisms of industrial importance in relation to their respective genetics. Yeasts, streptomycetes, pseudomonads and the genus Bacillus will be examined more specifically.	https://etudier.uqam.ca/cours?sjle=MBA6023&ga_search=MBA6023&ga_cat=cours	Indirect	9
MBA6024	0	Biosynthesis of natural products	National Institute for Scientific Research (INRS)	Graduate	The cells of living organisms (bacteria, fungi, plants, lichens, insects and higher animals) are sites of complex synthesis of a large number of organic compounds, many of which have significant biological activity. The study of the biosynthesis of natural products involves bioorganic chemistry, a new discipline born from the chemistry, microbiology and biochemistry of natural products. The course will give basic notions on the mechanisms of some predominant biological reactions.	https://etudier.uqam.ca/cours?sjle=MBA6024&ga_search=MBA6024&ga_cat=cours	Indirect	9
MBA6025	0	Experimental methods in biochemistry	National Institute for Scientific Research (INRS)	Graduate	Brief history. Review of food parameters affecting microbial multiplication. Study of normal flora and pathogenic microbes. Study of the phenomenon of putrefaction and quality criteria. Official or suggested methods of microbial analysis. Microbial standards. Foodborne illnesses caused by microbes, symptoms and routes of spread. Study of different treatments aimed at improving the preservation of foodstuffs.	https://etudier.uqam.ca/cours?sjle=MBA6025&ga_search=MBA6025&ga_cat=cours	Indirect	9
MBA6026	0	Environmental synthesis	National Institute for Scientific Research (INRS)	Graduate	Introduction. "Design" of bioreactors. Culture media used for fermentation. Sterilization of culture media. Air sterilization. Aeration and agitation. Fermentations in batches, by intermittent addition of substrate as well as continuously. Kinetics of growth. Recovery of fermentation products. Control systems for environmental variables.	https://etudier.uqam.ca/cours?sjle=MBA6026&ga_search=MBA6026&ga_cat=cours	Indirect	9
PHI9023	2	Research seminar in philosophy of formal and natural sciences	Social science	Graduate	Research relating to a particular area or issue of ethics. This sector or problem, which will be determined by the professor, can concern either the analysis of moral discourse (metaethics), or the foundations of normative ethics, or even one field or another of applied ethics (bioethics, business ethics, environmental ethics ...).	https://etudier.uqam.ca/cours?sjle=PHI9023&ga_search=PHI9023&ga_cat=cours	Indirect	8
STS8060	0	Guided readings in environmental sciences,	Science	Graduate	The course explores, from an interdisciplinary perspective, issues relating to ethics and professional conduct in science and technology. Its content covers the following aspects: emergence, development and topicality of the ethics of scientific research. - Policies, systems and practices for ethical evaluation of scientific research (granting councils, local committees; - S&T Ethics Commission). - The ways in which the question is understood by the different disciplines. - Complementarities and differences. - The normative foundations of ethical reflection: the principles of precaution, responsibility, prudence and beneficence. - The constitution of a universe of practices. - Analysis of specific issues such as the normative principles implemented in technological development, the relationship between the researcher and the subjects or informants (confidentiality, consent, monitoring), research integrity (fraud), etc.	https://etudier.uqam.ca/cours?sjle=STS8060&ga_search=STS8060&ga_cat=cours	Indirect	9
TOTAL:	123	Higher cycles: number of courses given being indirectly linked to eco-responsibility (sustainability inclusive courses)						