Undergraduate courses list

Cursos para todos los alumnos

Course Key	Course Name	Department	Course Objective	Credits	Observations	
AD1005	Sustainability, Ethics and Social Responsibility	Management	Students analyze the cost-benefit associated with the choice of public policies, with an environment-oriented approach. They discuss the relationship between "sustainability" and efficiency as a central theme of this course.	6		Focused
CS1201	Global challenges and dynamics	Social Sciences	The student will be able to understand global challenges and dynamics, through the framework of globalization in cultural, economic, migratory, security and environment, to develop a critical vision of these concepts.	6	Subject of compulsory studies, which addresses a unit of environmental and sustainability themes.	Inclusive
SO0008	Course focused on current issues	Sustainability Center	The person enrolled in the course will know some tools that will help them exercise responsible citizenship; they will understand how they impact other systems and the relationship they have with other people. They will also know how they can be part of a society active and participatory to help solve social problems from their area of influence.	3	Curricular course that includes a module on sustainability	Inclusive

Cursos del Centro de Sostenibilidad

Course Key	Course Name	Department	Course Objective	Credits	Observations	
SO0004	Environmental Impact and Solutions	Sustainability Center	During the course, students will learn how to value the environment in a balanced way for decision-making. Through documentaries, cases, definition of concepts and sharing ideas, students will be able to generate critical and holistic thinking in relation to the anthropogenic impact in order to propose viable solutions.	3		Focused

Escuela de Ingeniería y Tecnologías

Course Key	Course Name	Department	Course Objective	Credits	Observations	
IC1201	Humanitarian Innovation	Civil Engineering	At the end of the course, the student will be able to understand cultural, development and technological elements related to the challenges experienced in different cities of the world, to generate and evaluate solutions from the perspective of science, technology and innovation with human sense. Likewise, the student will become aware of the impact that a professional has to improve the quality of life of people and in the development of communities.	6		Focused
IC1120	Sustainable Construction	Civil Engineering	During this course, the student will be able to identify the basic principles of ecology in construction, reviewing what are the environmentally friendly aspects and technologies that can be used and the risks that nature imposes on human beings and vice versa, to know current trends in civil engineering-environment.	6		Focused
IC3331	Environmental Engineering Seminar	Civil Engineering	Upon completion of the course, the student will be able to identify the basic concepts of sustainability, as well as cycles, problems and environmental hazards, this will be achieved through the review and study of current issues related to environmental engineering, with the purpose of identifying the fundamental needs for sustainability in society.	6		Focused
AH2341	Environmental Chemistry	Architecture and Habitat Sciences	At the end of the course, the student will be able to analyze the potential impacts to the environment, human health and ecosystems due to the generation of environmental pollutants with the aim of designing strategies to prevent, mitigate or control the generation and accumulation of chemical pollutants.	6		Focused
IC2213	Construction materials	Architecture and Technology	At the conclusion of this subject, the student will be able to distinguish basic construction materials such as wood, steel, concrete and glass, and its properties in order to describe its chemical composition, historical evolution, contemporary uses, limitations, architectural possibilities as well as new and future products.	6	Unit focused on sustainable construction materials.	Inclusive

IC3321	Urban mobility and territorial order	Civil Engineering	The student will be able to identify the components of the transit through the application and integration of the background, studies, capacity and level of service, control devices and road safety, for the elaboration of a mobility study.	6	Units focused on alternative means of sustainable mobility.	Inclusive
IC1210	Project management	Civil Engineering	At the conclusion of the subject, the student will be able to apply the tools, methods and techniques for project planning, organization, programming and control, through identification and selection of alternatives, taking into account critical parameters such as time, costs and availability of resources for decision making. According to the standards and guides of the Project Management Institute (PMI).	6	Subject that addresses a unit of methodologies of economic and environmental optimization of projects.	Inclusive
IC3332	Civil Engineering Seminar	Civil Engineering	At the conclusion of the subject, the student will be able to apply the theory and practice the knowledge acquired for the complete development of a construction project, being in the possibility of solving problems in the best way from its stage of conceptualization until the executive definition of the project.	6	Unit that addresses the regulations that must be met in terms of sustainability.	Inclusive
FM1006	Select Studies of Exact Sciences	Physics and Mathematics	The student will be able to integrate the application of new technologies arising from the application of new avant-garde theories in the industrial field of their own community or in the place of their stay, this in order to contribute to the updating and development of your professional environment.		Relationship between socio-economic, political and cultural subjects and scientific knowledge.	Inclusive

Escuela de Negocios

Clave	Nombre del curso	Departamento	Objetivo	Créditos	Observaciones	Tipo
AD3253	Sustainable Marketing	Management	At the end of the course, the student will be able to identify how companies carry out their marketing activities in a more sustainable way in order to minimize the negative impacts on consumers and other interest groups that are affected by the activities carried out by the companies.	6		Focused
AD1200	Leadership in Organizations	Management	Upon completion of this course, the student will know the impact of their emotional and ethical intelligence on the organizations with which they interact, will identify the relationship between both concepts in order to design strategies that allow for sustainable development in them, and develop skills to work in high-performance teams collaboratively.			Focused
AD1201	Sustainability and Social Responsibility	Management	Upon completion of the course, the student will be able to understand the implication of sustainable development in the management of organizations, as well as to identify the need to reconcile economic progress with natural resources and the needs to society. Likewise, the student will be able to analyze the concept of social responsibility, discerning the impact of their individual or collective decisions on society from an organizational and social perspective. The student will also be able to evaluate the level of social responsibility and sustainability of an organization based on the analysis of its strategies, programs and strategic alignment.	6		Focused
AD1600	Tourism	Management	Upon completion of the course, the student will be able to recognize tourism as a social phenomenon, with environmental, sociocultural, political and economic implications, identifying the most important elements that stimulate its development, trends and evolution to establish the foundations of their profession.			Focused
EC3323	Sustainable Logistics for the Global Market	Economy	The student will be able to design techniques and strategies for the administration of international logistics processes and services with a sustainable approach, in order to promote the optimization of the areas of customer service, supply, distribution of goods and transportation in a company's supply chain which will make up its comparative advantage.	6		Focused
EC3018	Wellness and profitability in companies	Economy	At the conclusion of this subject, the students will identify the characteristics and the organizational culture that distinguishes companies that promote the welfare of their employees. In addition, they will learn about the results and profitability that is generated in organizational cultures that promote the welfare of employees.	6	Matter of compulsory professional study that addresses the quality of work and social responsibility	Inclusive

EC1000 / EC3137	Introduction to the economy and business	Economy	At the conclusion of this subject, the student will have the characteristics and competences of a graduate of the Bachelor's Degree in Economics, as well as knowing his work field and professional development, for which he will include the main aspects involving the study of related phenomena with microeconomics, macroeconomics and history and economic present.	6	The course includes the theme of poverty in Mexico	Inclusive
EC3100 / EC3136	Economic history of Mexico	Economy	At the conclusion of the subject, the student will be able to distinguish the different historical stages of the Mexican economy as the origin of current economic structural problems and failures as well as the personality of the Mexican, with which he will be able to analyze new economic perspectives.	6	The course analyzes issues of economic development in Mexico and indirectly poverty	Inclusive
EC3018	Wellness and profitability in companies	Economy	At the conclusion of this subject, the student will be able to identify the characteristics as well as the organizational culture that distinguishes companies that promote the welfare of their employees. In addition to acquiring the results and profitability that is generated in organizational cultures that promote the welfare of employees	6	Matter of compulsory professional study that addresses the quality of work and social responsibility	Inclusive

Escuela de Arquitectura y Ciencias del Hábitat

Course Key	Course Name	Department	Course Objective	Credits	Observations	
AH2026	Sustainable Architecture	Architecture and Habitat Sciences	Upon completion of the course, the student will be able to recognize and understand the principles of sustainability applied to building, through the study of theories, concepts and guidelines with the intention of developing and implementing bioclimatic and sustainable architecture strategies that allow minimization of resources in design projects.	6		Focused
AH3301	Green Building Certification	Architecture and Habitat Sciences	At the end of the course, the student will be able to understand the different evaluation schemes for sustainable projects, international certifications and current regulations by analyzing the processes, conditions and requirements of each one, with the intention of identifying and selecting the most appropriate standard to the needs and sustainable objectives of an architectural project.	6		Focused
AH2412	Green Building	Architecture and Habitat Sciences	Upon completion of the course, the student will be able to analyze sustainable strategies applicable to buildings through the comprehensive evaluation of the location of the buildings, their energy and water systems, as well as the materials and well-being of the occupants. Likewise, the student will recognize the best practices in green building and their impact on society.	6		Focused
GE1110	Energy and Resources	Industrial design	Upon completion, student will understand the concepts related with energy and resources, as well as the importance of an ecological perspective at different levels and its utility regarding energy and available resources.	6		Focused
GE3190	Environmental Regulations and Certifications	Industrial design	Upon completion, student will apply the fundamental sustainability concepts to insert projects inside the norms and procedures acording to the certification processes. Student will also analyze active and passive bioclimatic strategies and ecotechnologies to use energy efficiently and apply it to construction projects.	6		Focused
GE3110	Energy and Sustainability Studies	Industrial design	Upon completion, the student will understand all energy and resources related concepts and the importance of the ecological perspective in different levels to integrate its utility in energy, available resources, its use and effects.	6		Focused
GE3120	Energy Applications Design Study	Industrial design	Upon completion, the student will have the technical criteria to manage and design in order to apply and develop new technologies related to energy, efficiency and its environment.	6		Focused
GE3150	Design of Energy and Sustainability Systems	Industrial design	Upon completion, the student will understand all sustainability, energy and eco innovation related topics. In addition to this, they will have the tools to develop sustainability projects with the purpose to face the current energy challenges.	6		Focused
GE3160	Innovation for Clean Energy	Industrial design	Upon completion, student will be able to integrate and analyze tools and public policies at social, economic and environmental dimensions for entrerprise management and promoting strategies and solutions of new technologies and energy efficiency.	6		Focused

GE3210	Energy Design and Applications	Industrial design	Upon completion, students will be able to handle technical criteria, manage and design projects that allows them to apply or develop new technologies related to energy, effiency and its environment.	6		Focused
GE3310	Mitigation Strategies	Industrial design	Upon completion, students will adquire technical criteria, management and design skills that will allow them to develop mitigations strategies for resources, society and development.	6		Focused
GE3320	Socioenvironmental Systems Analysis	Industrial design	Upon completion, student will know the environenmental issues related to humans in order to identify, quantify and solve these problems and its impacts.	6		Focused
GE3330	Sustainable Project Management	Industrial design	Upon completion of the course, students will be able to take decisions according to projects' sustainability and factibility with a social and environmental perspective.	6		Focused
GE3360	Select Energy Studies	Industrial design	Upon completion of the course, the student will be know normativity and environmental trends at its global context. In addition students will be able to use digital tools to measure their own ecological footprint or environmental impact in order to propose recommendations.	6		Focused
GE3370	Social Project Management Studies	Industrial design	Upon completion of the course, students will be able to analyze socio-environmental problematics and generate improvement proposals for communities and individuals representing them at private at public organizations.	6		Focused
GE3170	Research Methodologies	Industrial design	Upon completion of the course, students will comprehend descriptive methodolgy strategies and use of qualitative tools for research projects. Analyzing a clients' case or a project in develeopment sustainability and energy related..	6		Inclusive
GE3180	Technological Exploration	Industrial design	Upon completion, student will be able to apply quantitative and qualitative methods to analyze, sinthetize and evalute the potential of technological opportunities or ecotechnologies to generate sustainable innovation projects.	6	Sustainability and Energy Module	Inclusive
AH2344	Sustainability and Environmental Rationality	Architecture and Habitat Sciences	At the end of the course, the student will be able to analyze the link between environmental rationality and the environmental crisis, by describing and identifying the concept of environmental rationality as a motivator and guide for action; the relationship between the historical events of the 20th century and their relevance in the 21st century, with the objective that the student implements their knowledge in decision-making in energy and environmental impact projects.	6		Focused
AH2137	Introduction to energy and resources	Architecture and Habitat Sciences	At the end of the course, the student will be able to identify the concepts related to energy and resources in the Mexican and international energy context through case analysis and class discussion with the purpose that the student relates the vision of sustainability in the different scales and levels of integration, as well as the resources available, their use and effect. Likewise, the student will be able to identify and apply a technical lexicon and terminology related to the energy and sustainability discipline for its subsequent application in the design of products, systems or services.	6		Focused
AH2512	Constructive materials and systems	Architecture and Habitat Sciences	At the end of the course, the student will be able to recognize and understand the different types of construction systems and the various materials through the study of their parts and their properties, in order to identify and propose their application for architecture projects.	6	Impact of constructive systems and feasibility in the building	Inclusive
AH2211	Design Studio I	Architecture and Habitat Sciences	At the end of the course, the student will be able to plan and design single-family housing projects of different scales, through the study and analysis of the theoretical positions related to this architectural typology and through the incorporation of basic structural criteria integrated with bioclimatic strategies; in order to solve spatial problems related to the housing typology.	6	Comfort and bioclimatic design	Inclusive
AH2212	Design study II	Architecture and Habitat Sciences	At the end of the course, the student will be able to plan and design collective housing projects at different scales, contexts and lifestyles based on reflecting on the current problems and needs of society, with a critical and analytical vision from the point of view of view of urban, social and environmental integration; in order to develop projects based on the incorporation of sustainable, constructive, functional and innovative design strategies and premises that respond to current problems and those of the cities of the future.	6	Universal accessibility, passive and active design statements	Inclusive

AH2213	Design Studio III	Architecture and Habitat Sciences	Upon completion of the course, the student will be able to develop the design of architectural projects of medium-low programmatic complexity and of small size, through the understanding and implementation of criteria of resilience, sustainability and social responsibility, considering the relationship of the architectural project with the context and public space; in order to recognize the physical, environmental, social, urban and constructive implications of the architectural project.	6	Resilience, sustainability and social responsibility,	Inclusive
AH2216	Design Studio IV	Architecture and Habitat Sciences	Upon completion of the course, the student will be able to develop the design of medium-high programmatic complexity and medium-sized architectural projects in an urban district area and in the context of the built environment; This through the learning and implementation of criteria of resilience, sustainability, and social responsibility, considering the relationship of your architectural project with the urban context with the public space of the city and the built environment, in order to recognize the physical implications, environmental, social, urban and constructive aspects of the architectural and urban project, developing critical judgment and innovation in relation to the built environment.	6	Physical, environmental, social, urban and constructive implications of the architectural and urban project	Inclusive
AH1012	Living space study	Architecture and Habitat Sciences	Upon completion of the course, the student will be able to design living spaces of a residential nature by learning the basic fundamentals of interior design, seeking to be able to understand a project from its conceptualization, planning to analysis and criticism, in order to generate comprehensive knowledge of the living space. In addition, it must consider the characteristics of the site, to give a sustainable response to the needs of the user and the functionality of the project; being able to represent the project in 2 and 3 dimensions, communicating the concept of the project and its characteristics.	6	Project workshop of residential spaces. It reflects on the context, the user and the materials.	Inclusive
AH1014	Public space study	Architecture and Habitat Sciences	At the end of the course, the student will be able to recognize the relationship of the interior space with the public space, being able to design a project with a value proposition, implementing the fundamentals of space design, through the development of the concept, the planning , the presentation and communication of the project, in order to give greater meaning to the practice of design, solving the spatial needs of users, generating sustainable, functional and aesthetic design proposals.	6	Project workshop of public spaces. It reflects on the context, the city and the landscape.	Inclusive
AH2010	Integral study I.	Architecture and Habitat Sciences	At the end of the course, the student will be able to generate a comprehensive design proposal developing all its phases: research, conceptualization, preliminary design, spatial design proposal and executive preliminary project, within a medium-scale interior design project, focused from the conceptual and technical point of view; being able to establish design strategies such as passive design, facilities, materials and furniture, with the aim of achieving learning in sustainable design strategies and human comfort.	6	Workshop of reuse projects of architectural spaces. It reflects on heritage, city, identity, constructive systems and sustainability of the architectural program.	Inclusive
AH2011	Integral study II.	Architecture and Habitat Sciences	Upon completion of the course, the student will be able to analyze a comprehensive and sustainable design proposal developed with a special focus on constructive detail; for a small-scale, technically focused interior design project; being able to establish technical answers to real design problems.	6	Workshop of design projects where a functional and technical response to a design challenge is sought.	Inclusive
AH2105	illumination	Architecture and Habitat Sciences	Upon completion of this subject, the student will be able to identify the elements that make up a lighting system and their relationship with the space that allow them to assess the needs of users to use techniques and tools in the development and application of a concept for a project of comprehensive, modern and sustainable lighting design, in order to be presented in an attractive and clear way to a potential client	6	The different types of lighting are studied and alternatives are evaluated, the efficiency of lighting for different needs.	Inclusive
AH2106	Intelligent and comfort systems	Architecture and Habitat Sciences	At the end of the course, the student will be able to know the special automation, home automation, acoustics, air conditioning and other comfort systems, as well as the elements that make up a comprehensive system. Likewise, the student will be able to analyze and understand the objectives of an intelligent system and new technologies, in terms of comfort, but also sustainability; as well as the standards and systems in the current market, to make a correct choice in the application of an interior design project, taking into account the advantages and disadvantages of the systems, such as the proper technical specifications for their correct installation.	6	Different types of comfort systems are studied and their energy efficiency is analyzed.	Inclusive

AH2207	Design business entrepreneurship	Architecture and Habitat Sciences	At the conclusion of the subject, the student will be able to understand the main concepts of administration necessary in the creation and management of a design and / or construction company. Likewise, you will be able to conceptualize and specify an idea of a profitable product capable of serving the demands of the market ethically and sustainably.	6	Its content includes the creation of companies always with a socially responsible approach.	Inclusive
AH2413	Welfarespaces	Architecture and Habitat Sciences	At the conclusion of the subject, the student will be able to demonstrate an understanding of the design process for a space for well-being proposing interior design solutions that support psychoemocional and physical well-being; This through the understanding of the perceptual and clinical concepts of well-being, as well as the principles, theories and processes in conceptualization for the planning of welfare spaces. Likewise, it will demonstrate the skills required to identify the needs of users and develop the spatial program, writing statement concepts and narratives.	6	Elective matter focused on hospitality spaces (tourism and well-being)	Inclusive
AH2214	Integral design study I	Architecture and Habitat Sciences	At the end of the course, the student will be able to configure the architectural project in a comprehensive way, through the study of its stages and components, in order to develop a mono-programmatic architectural project of medium complexity in all its stages, from the concept to its executive development, including aspects such as structural criteria, material specification, construction processes, facility design and energy performance.	6	Energy Performance Measurement	Inclusive
AH2611	Urbanism I.	Architecture and Habitat Sciences	At the end of the course, the student will be able to recognize and identify the historical, social, cultural and economic phenomena that define the urban form in all its manifestations through theoretical analysis and case studies; in order to express a critical judgment about the forms of urban growth of the past, present and projected into the future.	6	The framework for sustainability: UN Habitat and the right to city	Inclusive
AH2612	Urbanism II.	Architecture and Habitat Sciences	At the end of the course, the student will be able to understand the concepts of urban space design of various scales of intervention from the spatial relationship with the existing fabric, from the exploration of the language of form and its composition, its patterns and structural elements, as well as their socioeconomic and historical aspects; in order to identify the conformation of the integral urban project.	6	Practical application of the course Urbanism I	Inclusive
AH2422	Selected studies of interior design	Architecture and Habitat Sciences	At the conclusion of the subject, the student will be able to use documentary research and interdisciplinary analysis and research tools such as anthropology, sociology, psychology, etc.; This in order to solve a design challenge based on theory and experimentation. Likewise, you can analyze current issues with local and specific impact, related to the profession and the scope of design and will be able to rethink the provisions, this in order to allow the student to question and develop as a relevant and competitive designer.	6	Elective matter with vaiable content, sustainability is reviewed transversely as part of the Project Evaluation Rubric.	Inclusive
DI2110	Theory of Sustainable Design	Industrial Design	Upon completion, student will analyze the social, environmental and economic impact of sustainable projects inside a particular context in order to meet international standards and sustainabilty perspective for product development.	6		Focused
DI3310	Interdisciplinary Design Solutions	Industrial Design	Upon completion of this course, the student will be able to develop projects together with students from other design programs, value collaborative learning and experience interdisciplinary learning.	6		Focused
DA2066	Theory of Sustainable Architecture	Architecture	Upon completion of this course, the student will be able to know and understand the basic principles and concepts of sustainability in architecture, in order to critically analyze the work recognized for its sustainable design, its positions and paradigms, examining the design as a response to the climate including passive and active systems	6		Focused
DI1310	Creativity Study I	Industrial Design	At the conclusion of this subject, the student will be able to create design solutions by focusing on their emphasis on the ergonomic area for industrial products, satisfying the need in the market. The design will be based on basic principles, methodological, requirements, standards and standards, selecting, explaining, relating, demonstrating and resolving all the factors involved in the design and its impact on the environment, before, during and after its useful life	6	Projects applied to user-centered design and social design and service learning	Inclusive

DI2310	Business Strategies for Designers	Industrial Design	At the conclusion of this subject, the student will be able to apply the knowledge and tools acquired to undertake their own business, will dominate the accounting principles and their application, as well as the methodologies to be able to launch new innovative and profitable businesses to the market.	6	Circular and green business models	Inclusive
DI2220	Product and distribution	Industrial Design	At the conclusion of this subject, the student will be able to design products focused on logistics systems, designing the packaging depending on the structure of the supply chain considering the costs of the product, packaging and damage, it will include the relevant aspects of the transport management and inventories, in order to improve the operational performance of the chain by designing the distribution / packing system considering the aspects of environmental impact and energy consumption from product development	6	Sustainability module	Inclusive
DI2130	Processes and manufacture of polymers	Industrial Design	At the conclusion of this subject, the student will be able to identify physical, chemical, and transformation characteristics, with sustainable considerations, polymers and composite materials existing in the market, for application in the creation of products and objects; as well as existing technology and resources for the processing of them	6	Sustainability module	Inclusive
DI2120	Parametric modeling	Industrial Design	At the conclusion of this subject, the student will be able to understand the 3D solid parametric modeling tools, to create detailed models and assimilate criteria for use for the basic development of a product to build their prototype or manufacture it in series	6	Project application to sustainability and energy	Inclusive
DI3120	Introduction to Consumer Goods and their Life Cycle	Industrial Design	At the end of the course, the student will be able to use and assimilate the criteria of use and the parametric modeling tools of three-dimensional solids, to create detailed models of a product to build its prototype or manufacture it in series.	6	Sustainability and Energy Module	Inclusive
DI3320	Simulation and Resistance of Materials	Industrial Design	Know and interpret the characteristics of the product and / or the environment that surrounds it through specialized software. The student will be able to analyze the internal and external forces of the product to calculate its physical characteristics such as resistance, elongation, bending and find the weak points to take measurements according to the requirements of the needs. These studies will be done through behavioral simulations based on operating conditions.	6	Sustainability and Energy Module	Inclusive
DI3130	Applied Design Study-Specialty	Industrial Design	Develop a design project, from its conception to its production. Upon completion of this course, the student will be able to analyze and interpret an environment, to detect opportunities for new developments. You will develop your own work methodology that allows you to manage a design project at a professional level, including all phases of development. He will be able to propose design solutions with an argumentation based on an ethnographic and technical research, which will allow him a high level of complexity and scope for production .	6	Pre-PEF Projects Sustainability	Inclusive
LI3090	Design Philosophy	Interior Design	At the end of this subject, the student will understand the relevance of design in the development of society in general and of the human being in particular, being able to recognize the impact of design, this in order to expand and develop their understanding in the student of design and the consequence of himself in his society as a professional	6	Design theory related to Sustainability, Universal and Social Design	Inclusive
DI2150	Creative Study II	Industrial Design	Upon completion of this subject, the student will be able to create solutions focused on the basic needs of user groups with limited access to products and services, for geographical and / or socioeconomic reasons, and apply different strategies in the creative development phase, with the aim of that the student can experience different results to the same problem and thus can discover intelligent solutions through these different views	6	Projects with Sustainability Focus and User-centered Design	Inclusive
DI2340	Industrial Design Seminar	Industrial Design	Upon completion of this course, the student will be able to identify the present and future trends of Industrial Design for its application in the different types of design projects.	6	Theory and methodologies of design related to Sustainability, Universal and Social Design	Inclusive

DI3150	Introduction to Packaging	Industrial Design	Upon completion of this course, the student will be able to analyze the needs of the product, to satisfy the needs of the customer, the manufacturer and the market. Know the materials, their properties and transformation processes, as well as their interaction with the product; for the development of containers and packaging based on international trade standards	6	Packaging and sustainability	Inclusive
DI2220	Product and distribution	Industrial Design	Upon completion of this course, the student will be able to design products focused on logistics systems, designing the packaging depending on the structure of the supply chain considering the costs of the product, packaging and damages, they will understand the relevant aspects of transportation management and inventories, in order to improve the operational performance of the chain by designing the distribution / packaging system considering the aspects of environmental impact and energy consumption from the development of the product	6	Module 2 covers the socio-environmental impacts of product packaging.	Inclusive

Escuela de Arte y Diseño

Course Key	Course Name	Department	Course Objective	Credits	Observations	
DM2015	Sustainable Fashion Design Theory	Textile and Fashion Design	Upon completion of this course, the student will have the basic knowledge to create and implement fashion design and clothing projects using sustainable materials and processes.	6		Focused

Escuela de Educación y Humanidades

Course Key	Course Name	Department	Course Objective	Credits	Observations	
HU2030	Ethics	Human Studies	At the end of the course, the student will obtain human acts' knowledge and values to make decisions that contributes to social order. All of these through readings, research, projects, discussions, and group presentations	6	SDG Module	Inclusive
HU1000	Mexican Studies	Human Studies	The student will be able to explain the economic and political development of Mexico in a certain time or period, and will understand the meaning of national identity and culture, in such a way that they can take their position of civic and ethical participation in the face of economic, political, social and cultural reality of Mexico.			Inclusive
HU1015	International Contexts Compared	Human Studies	At the end of the course, the student will be able to describe the economic, political and cultural reality of a country other than Mexico; in addition, it will distinguish the type of information necessary to know the economic, political, sociodemographic and cultural aspects of a country and will be able to critically read the socio-economic, political and cultural indicators that describe the country.			Inclusive
HU1017	General Humanities Studies	Human Studies	Upon completion of this course, the student will understand the political and economic situation of Mexico through knowledge and analysis of contemporary reality			Inclusive

Escuela de Derecho y Ciencias Sociales

Course Key	Course Name	Department	Course Objective	Credits	Observations	
CS1000	General Sociology		The student will be able to describe and explain the concepts and methods of sociology in order to apply them to specific problematic situations in the economic, cultural, family and political fields; this through the linking of theoretical-practical activities, both individual and in teams.			Inclusive

CS3104	Environmental Problems	Law	Upon completion of the course, the student will be able to analyze the causes and implications of a variety of global environmental challenges and different forms of response; as well as the main ethical dimensions of the global environmental situation, examining the perspectives and approaches of the traditions key social science applied to environmental studies, to identify the architecture of the global environmental governance system and the shortcomings of the system to meet complex environmental challenges.	6		Focused
CS3010	Sociology of the environment	Social Sciences	Upon completion, student will analyze the relation between environment, ecology and sustainability with a perspective that involves technological development, production systems and social resources management.	6		Focused
CS2400	Socioeconomic structure of Mexico	Social Sciences	At the conclusion of this subject, the student will be able to explain the contemporary problems of Mexican society from a systematic and multidisciplinary perspective, based on the elements of global society, models and theories of collective development and demographic evolution	6	The course touches related issues with development and poverty	Inclusive
CS2650	European Society and Culture		The student will be able to describe from the historical perspective the processes and cultural, social, political and economic characteristics of Europe and its main institutions at the end of the 20th century and the beginning of the 21st century with contemporary situations in the region.	6		Inclusive
CS2665	Asian Society and Culture		The student will be able to relate from the historical perspective the processes and cultural, social, political and economic characteristics of China, Korea, Japan and the countries of the Southeast with contemporary situations in the Asian region.	6		Inclusive
DE2425	Urban Law	Law	Understand the evolution of urban law and the Mexican legal system at the federal, state and municipal level. Likewise, the legal framework related to territorial and urban planning in the Mexican legal system and its impact on the environment and other aspects related to urban development and its legality will be analyzed.	6		Inclusive
DE3439	Policy and Urban Development	Law	At the conclusion of the subject, the student will be able to understand the evolution of urban law and the Mexican legal system at the federal, state and municipal level. Likewise, the Legal framework related to the territorial and urban planning in the Mexican legal system and its impact on the environment and other aspects related to urban development as well as its legality.	6		Inclusive
CS3313	Risk and Disaster Management	Law	At the conclusion of the subject, the student will be able to identify the characteristics of risks, hazards and disasters in their different aspect: environmental, sociocultural, industrial, economic and political, through the analysis of the most relevant disaster events of the twentieth century in the different Areas, to determine the causes and consequences of disasters in social and environmental terms, as well as to know The management process that was established for the recovery and solution of the crisis caused by the different types of disasters.	6		Inclusive

Escuela de Medicina

Course Key	Course Name	Department	Course Objective	Credits	Observations	
CB2020	Fundamentals of Organic and Inorganic Chemistry	Basic Sciences	Upon completion of this subject, the student will obtain the essential knowledge that will allow them to understand the characteristics, properties and interactions of chemical compounds with the environment.	6	Activities related to social, economic and environmental impact of pollution.	Focused
CB1112	Nutrition	Basic Sciences	The student will be able to analyze the characteristics and functions of carbohydrates, fats, proteins, vitamins and minerals, as well as to describe dietary patterns in order to establish their relationship with culture, economy and technology.			Inclusive

Programa académico de Nutrición

Course Key	Course Name	Department	Course Objective	Credits	Observations	
NU1205	Institutional food	Nutrition	Design and determine the cost of the meals, to identify the caloric and nutritional component required for collective food services, whether for healthy or sick individuals, to meet the needs raised by the requesting company.	6	Activities related to Sustainability in three different modules	Inclusive