

## Undergraduate courses list

## School of Engineering and Technologies

Course Key	Course Name	Department	Course Objective	Credit	Observations	Type
IF-BO7	Ecological research methods	Ecology	An introduction to systematic methods of collection, analysis and reporting of field and laboratory ecological data, and basic experimental design in ecology.	5		Inclusive
IF-B13	Ecology	Ecology	A survey of adaptations to the physical environment, dynamics of natural populations, interactions between species, and ecosystem function	4		Inclusive
ATMF - BO2	1. Water basins of Azerbaijan 2. Water pollution and control 3. Sanitary hydrobiology	Ecology	The course is to develop comprehensive understanding on productive water uses involving consumptive and non-consumptive uses, their livelihood linkages and economic implications and ways and means of enhancing the efficiency and productivity of water use.	6	Curricular course that includes a module on sustainability	Inclusive
IF-B13	Human ecology and sustainable development	Ecology	This course has two primary objectives: first, to provide a structured way to think about—and conduct research in—the field of sustainable development. Second, to introduce formal models of dynamic, coupled human and environmental systems.	6	Subject of compulsory studies, which addresses a unit of environmental and sustainability themes.	Inclusive

ATMF - BO8	Global environmental problems	Ecology	Environmental issues, such as climate change, biodiversity loss and energy consumption and our responses to them are of global concern. In this level 1 course we will explore the most significant and topical global environmental issues affecting societies, ecosystems and the physical milieu. The course will examine socio-economic and political factors in addition to the science behind many of the issues.	6		Inclusive
IF-B15	Ecology Law	Ecology	The objective of the course is to provide a basic level understanding of the legislative framework of environmental regulation, its implementation and adjudication.	4		Inclusive
IF-B22	Sustainable management of natural resources	Ecology	The objectives of natural resource management are as follows: To maintain ecological diversity. To provide resources for future generations. To maintain employment facilities for people.	4	Subject of compulsory studies, which addresses a unit of environmental and sustainability themes.	Inclusive
ATMF - BO6	Environmental safety of alternative energy sources	Ecology	Environmental safety, just like any other form of safety or compliance, requires being observant and compliant at all times to ensure the safety of your workers and anyone that resides in the area. To facilitate the students to achieve a clear conceptual understanding of technical and commercial aspects of Wind and Alternative Sources of Energy.	5	Subject of compulsory studies, which addresses a unit of environmental and sustainability themes.	Inclusive
School of Business						
Clave	Nombre del curso	Departamento	Objetivo	Credit	Observations	Type
AD3253	Environmental economics	Economics	The course will demonstrate that environmental problems are economic problems and examine the past, present and future visions of resource use, production and	6	Subject of compulsory studies, which addresses a	Inclusive

			sustainability.		unit of environmental and sustainability themes.	
AD1200	Organizational behavior	Business	To analyze and compare different models used to explain individual behaviour related to motivation and rewards. to identify the processes used in developing communication and resolving conflicts. to explain group dynamics and demonstrate skills required for working in groups (team building)	4		Focused
AD1201	Sustainability and Social Responsibility	Business	Students should be able to identify and apply current knowledge of disciplinary and inter-disciplinary theory on social impact and professional	6	Relationship between socio- economic, political and cultural subjects and scientific knowledge	Inclusive
IF-B14	Sustainable tourism	Merchandising and Expertise	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.	4	The course includes the theme of tourism	Inclusive
ATMF-BO10	Sustainable development	Business	The aim of sustainable development course is to balance our economic, environmental and social needs, allowing prosperity for now and future generations. These include social progress and equality, environmental protection, conservation of natural resources and stable economic growth.	5	Sustainability and Energy	Focused
IF-B15	Sustainable and inclusive development management	Business	With a world population of nearly 8 billion and global GDP of \$70 trillion, human impacts on the environment have already reached dangerous levels. By 2050, world	6		Inclusive

			<p>population could reach 9 billion and global GDP \$250 trillion. Despite unprecedented growth in countries such as China and India, over 1 billion people still live in extreme poverty—mostly in South Asia and Africa. The central challenge for humanity in the 21st century is how to address the triple issue of ending extreme poverty, improving social inclusion, and achieving sustainability for the planet.</p>			
ATMF - BO7	International accounting standards	Economics	<p>The course aims to contextualise and develop the main aspects of the preparation of financial statements according to international accounting standards, with considerable attention to the comparison of national and international accounting practice; the course is in the area of the business administration disciplines that broaden and deepen the knowledge acquired in business administration and accounting and financial reporting.</p>	5		Inclusive
IF-B15	Innovation management	Business	<p>Purpose of this course is to introduce and explore innovation management concept, how to manage product innovation and product development and build competitiveness through innovation. Delivering new ideas and technologies as successful products to market in a sustainable way is at utmost importance for companies.</p>	4		Focused
ATMF - BO7	Energy and Society business	Business	<p>National and worldwide patterns of production and consumption of renewable and non-renewable energy sources and the connection of those patterns to socioeconomic conditions. For each resource, we consider the environmental effects of extraction, distribution, and consumption; how efficiently the resource is used and for what end uses; current reserves and projections for the future; socioeconomic and political factors affecting the resource's utilization. The course addresses interactions between energy use and climate change, food and water resources.</p>	6	Sustainability and Energy Module	Focused

IF-B12	Public Finance	Economics	This course is intended to be an introduction to the study of the role of government in the economy, with an emphasis on the microeconomic aspects of this role. Both the taxation and the expenditure sides of government activity will be studied. The first part of the course will be devoted to the theory of public finance in order to build a foundation for the remainder of the course, which involves the application of this theory to particular programs and institutions (policy analysis). Typical topics include: public goods, social security, income taxation, tax reform, fiscal federalism, ect.	6		Inclusive
School of Sciences						
Course Key	Course Name	Department		Credits	Observations	Type
UFS-B04	Ethics	Pedagogy, Psychology and Sociology	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	3		Inclusive