

Sl. No.	Name of the Course	Course Code/Type	Delivered to	Course Objectives	Learning Outcomes	CUTM Courseware Link
1.	Environmental Science	CUTM1010(Project)	All B. Tech/B.Sc. Programs	<ul style="list-style-type: none"> To understand the concept of multi-disciplinary nature of Environmental Science where different aspects are dealt with a holistic approach Students will develop a sense of community responsibility by becoming aware of environmental issues in the larger social context. One must be environmentally educated 	<ul style="list-style-type: none"> Understand the natural environment and its relationships with human activities Characterize and analyze human impacts on the environment. Integrate facts, concepts, and methods from multiple disciplines and apply to environmental problems Design and evaluate strategies, technologies and methods for sustainable management of environmental systems and for the remediation or restoration of degraded environments 	Environmental Science – Courseware :: Centurion University (cutm.ac.in)
2.	Gender, Human Rights and Ethics	CUTM1014 (Theory/Workshop)	All UG/PG Programs (B. Tech, BBA, MBA)	<ul style="list-style-type: none"> To develop an understanding of gender, human rights and ethics in an unequal society like India Sensitisation of how gender, human rights and ethics are significant in organisations. 	<ul style="list-style-type: none"> Understanding the complexity of issues and challenges relating to gender, human rights and ethics 	Gender, Human Rights and Ethics – Courseware :: Centurion University (cutm.ac.in)

				<ul style="list-style-type: none"> Integrating concerns related to gender, human rights and ethics in organisations. 	<ul style="list-style-type: none"> Be sensitive to gender, human rights and ethics within an organizational context To integrate concerns related to gender, human rights and ethics into the policies, processes and systems in an organization. 	
3.	Disaster preparedness and Planning Management	CUTM1907 (Theory/Workshop)	All UG/PG Programs (B. Tech, BBA, MBA, M.Sc.Agriculture)	<ul style="list-style-type: none"> To Understand basic concepts in Disaster Management To Understand Definitions and Terminologies used in Disaster Management To Understand Types and Categories of Disasters To Understand the Challenges posed by Disasters To understand Impacts of Disasters <p>Key Skills</p>	<ol style="list-style-type: none"> The application of Disaster Concepts to Management. Analyzing Relationship between Development and Disasters. Ability to understand Categories of Disasters. Realization of the responsibilities to society 	Disaster Preparedness & Planning Management – Courseware :: Centurion University (cutm.ac.in)
4.	Environmental Science and Disaster Management	ASES3101 (Theory)	All UG/PG Programs (B. Tech, BBA, MBA, M.Sc.Agriculture)	<ul style="list-style-type: none"> Disciplinary knowledge: Enable students to develop a comprehensive understanding of various facets of life forms, ecological processes and how humans have impacted them during the Anthropocene era. 	<ul style="list-style-type: none"> Understand the natural environment and its relationships with human activities. Characterize and analyze human impacts on the environment. Integrate facts, concepts, and methods from multiple 	Environmental Science and Disaster Management – Courseware :: Centurion University (cutm.ac.in)

				<ul style="list-style-type: none"> • Critical thinking: Capability to identify relevant environmental issues, analyse the various underlying causes, evaluate the practices and policies, and develop framework to make informed decisions. • Moral and ethical awareness/reasoning: Develop empathy for various life forms and appreciate the various ecological linkages within the web of life. 	<p>disciplines and apply to environmental problems.</p> <ul style="list-style-type: none"> • Capacity to integrate knowledge and to analyse, evaluate and manage the different public health aspects of disaster events at a local and global levels. • Capacity to obtain, analyse, and communicate information on risks, relief needs and lessons learned from earlier disasters in order to formulate strategies for mitigation in future scenarios. 	
5.	Pharmaceutical Jurisprudence	BPHT3105	B.Pharm	<ol style="list-style-type: none"> 1. The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals. 2. Various Indian pharmaceutical Acts and Laws 3. The regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals 4. The code of ethics during the pharmaceutical practice 	<ol style="list-style-type: none"> 1. Understand the pharmaceutical legislation and implications in the development and marketing of pharmaceuticals 2: Know Different Pharmaceutical acts, laws and rules 3: Know the regulatory and administrative authorities, agencies governing manufacture and sale of pharmaceuticals 4: Understand the CPSCEA guidelines for Prevention of cruelty to animals act 	Pharmaceutical Jurisprudence – Courseware :: Centurion University (cutm.ac.in)

					<p>5: Understand the concept of medical termination of pregnancy act</p> <p>6: Understand the concept of Intellectual property rights and Right to information act</p> <p>7: Know the codes of Pharmaceutical ethics during the pharmaceutical practice</p>	
6.	Renewable Energy and Green Technology	ASAE2203 (Theory/Workshop)	B. Tech (Mechanical Engineering), B. Tech (Ag)	<ul style="list-style-type: none"> Understanding basic characteristics of renewable sources of energy and technologies for their utilization for the thermal and electrical energy needs and also the environmental aspects of these resources To equip students in working with projects and to take up research work integrating with renewable power sources. To Provide un-energized and off-grid areas through affordable and reliable source of energy 	<ul style="list-style-type: none"> Understand the role of renewable energy in product and service sectors, as well as its importance in the energy chain: processing, transportation, distribution and end use. Simulation and verification techniques using industrial standard software to practice system-level designs, analytical design and analysis to problem solving when implementing the projects on renewable sources To understand the role significance of solar energy, wind energy, biomass and other renewable energy 	Renewable Energy & Green Technology – Courseware :: Centurion University (cutm.ac.in)

					<p>sources and technologies for their utilization.</p> <ul style="list-style-type: none"> ● To get the utilization of Biogas plants and understand the concept of energy Conservation ● Learning through hands-on sessions using MATLAB/SIMULATION and DYMOLA software and through comprehensive case studies on wind and solar energy systems. 	
7.	Business Continuity Planning and Disaster Recovery	CUTM1688 (Theory)	All Branches	<ul style="list-style-type: none"> ● This course focuses on two aspects of Cyber Security: analysis and assessment of risk plus how to minimize it, and, how to extract and use digital information from a wide range of systems and devices. The course is structured so that all students cover the same introductory material, but then choose to specialize in either Cyber Security or Digital Forensics. Any aforesaid science graduate who requires keen interest & knowledge of IT programming languages with basic 	<ul style="list-style-type: none"> ● Understand the concept of business continuity ● Learn the importance of a BCP(business continuity planing) ● See how load balancing maintains business continuity ● Discover how a DCP(Disaster recover plan) is a second line of defense ● Learn how to choose the right fail over solution 	<p>BUSINESS CONTINUITY PLANNING (BCP) AND DISASTER RECOVERY (DR) – Courseware :: Centurion University (cutm.ac.in)</p>

				knowledge of math beyond calculus.		
8.	Agricultural Heritage	ASAH1101 (Theory/Workshop)	B.Sc. Agriculture	Agricultural Heritage is to promote student understanding, awareness about sustainable agriculture and to safeguard the social, cultural, economic and environmental goods and services these provide to family farmers, smallholders, indigenous peoples and local communities	<ul style="list-style-type: none"> This course enables the students to pursue higher studies and employment 	Agricultural Heritage – Courseware :: Centurion University (cutm.ac.in)
9.	Introduction to Forestry	ASIF1201 (Theory)	B.Sc. Agriculture	<ul style="list-style-type: none"> Gain knowledge about the choice of tree species for agro forestry purpose. Estimate the quantity of timber / firewood/NTFP(volume/weight) and other forest resources by using height and volume measuring equipments. Manage the forest nursery by applying nursery techniques. Apply the required cultivation practices for different tree species. 	<ul style="list-style-type: none"> On successful completion of this course, it offers a wide scope in employment, skill development and entrepreneurship. 	Introduction to forestry – Courseware :: Centurion University (cutm.ac.in)
10.	Introductory Agro Meteorology and Climate Change	ASAG1202	B.Sc. Agriculture	<ul style="list-style-type: none"> To study about different climatic factors affecting crop growth and development Study about different weather aberrations 	<ul style="list-style-type: none"> On successful completion, this course, it offers a wide scope in employment, skill development and entrepreneurship 	Introductory Agro meteorology and climate change – Courseware :: Centurion University (cutm.ac.in)

				<ul style="list-style-type: none"> ● Study about climate change, it's cause and impacts 		
11.	Human Values and Ethics	ASHV 2101	B.Sc. Agriculture	<ul style="list-style-type: none"> ● To create awareness about the goal, mission and vision of life ● To cultivate virtues and eradicate vices which can make them flourish in their lives ● To understand the metaphors of ethical personalities from across domains 	<ul style="list-style-type: none"> ● Students understand the moral values that ought to guide the Agriculture Profession ● Students resolve the moral issues in the profession ● Students justify the moral judgement concerning the profession ● Students get knowledge to deal effectively with moral complexity in agriculture practice 	Human Values and Ethics – Courseware :: Centurion University (cutm.ac.in)
12.	Introduction to Forensics, Psychology, Law and Statistics	CUTM16 34	B.Sc. Forensic Science	<ul style="list-style-type: none"> ● To Provide Knowledge about the basic principles of Forensic Science, different branches, functions, nature and scope of Forensic Science. ● Course will Provide detail idea about different roles, Organisational setup and functions of various Government Departments such as FBI, CBI, BPRD, NCRB etc, Forensic laboratories and Police in Crime Scene investigations. 	<ul style="list-style-type: none"> ● The detail study will help to understand about the basics and different branches of Forensic Sciences. ● Will help to know about the working and functioning of Forensic science laboratories. ● Will learn about the Police and its role in criminal investigation and Prevention of crime 	Introduction to Forensics, Psychology, Law and Statistics – Courseware :: Centurion University (cutm.ac.in)

				<ul style="list-style-type: none"> ● To provide a detail idea of forensic psychology and its application in investigation. 	<p>and also about techniques used to detect deception.</p>	
13.	Cyber Law	CUTM16 27 (Theory)	All Programs	<ul style="list-style-type: none"> ● To Enable Learner to Understand, Explore, And Acquire A Critical Understanding Cyber Law. Develop Competencies for Dealing with Frauds and Deceptions (Confidence Tricks, Scams) And Other Cyber Crimes, for Example, Child Pornography Etc. That Are Taking Place Via the Internet. 	<ul style="list-style-type: none"> ● Make Learner Conversant with The Social and Intellectual Property Issues Emerging From 'Cyberspace. ● Give Learners in-Depth Knowledge of Information Technology Act and Legal Frame Work Of Right to Privacy, Data Security and Data Protection. ● Make Study on Various Case Studies on Real-Time Crimes. 	<p>Cyber Law – Courseware :: Centurion University (cutm.ac.in)</p>