

Course Code:	CFE202
Course Name:	ENVIROMENT & SUSTAINABLE DEVELOPMENT
Credit / ECTS:	3 Credit/ 4 ECTS
Catalogue Description:	Ecology and sustainability, biodiversity, urbanization, ecological succession, climate and biodiversity, sustaining biodiversity, sustaining resources and environmental quality: food production, water resources and pollution, mineral sources, energy sources, environmental hazards and human health, air pollution, ozone depletion, cllimate change, solid and hazardous wastes
Course Objectives:	The purpose of this course is to give brief information about nature and environment along with sustainability concept. Help students gain awareness about environmental problems. It is aimed to inform students about daily practices that will lead to a more sustainable living.
Learning Outcome (s):	<ol style="list-style-type: none"> 1- Understand environmental problems 2- Construct relationship between ecology, biodiversity and sustainability 3- Apply principles of sustainability on various environmental issues 4- Understand sustainable resources management: water, energy, minerals 5- Understand how resource consumption affect air pollution and climate change 6- Understand advantages and disadvantages of different strategies in solid waste management
Weekly Topics	<ol style="list-style-type: none"> 1- Introduction: environmental problems and sustainability, matter, energy and systems 2- Ecosystems 3- Biodiversity 4- The human population and urbanization 5- Climate change and biodiversity 6- Sustaining biodiversity 7- Food production and environment 8- Water resources and water pollution 9- Nonrenewable mineral resources 10- Energy resources 11- Environmental hazards and human health 12- Air pollution, climate change and ozone depletion 13- Solid and hazardous waste