COURSE CODE:	ENS-214		
COURSE NAME:	Environmental Ethics		
CREDIT HOURS:	Theory = 02 Practical = 0	Total = 02	
CONTACT HOURS:	Theory = 32 Practical = 0	Total = 32	
PREREQUISITE:	None		
MODE OF TEACHING:	Two hours of lecture per w	veek	

Course Description:

In general, Ethics is both an academic "subject" and a thoughtful way of doing things. Theoretical Ethics is that branch of Philosophy concerned with determining what is right (with regard to principles and actions) and what is good (what ends or ideals are worth pursuing and what values are worth holding). Practical Ethics is the art of figuring out how to make things better rather than worse with regard to concrete or actual situations. Professional Ethics is a type of applied ethics as such; it is concerned with principles applied and actions taken in the workplace and the boardroom. At the same time, since engineering practice is inseparable from the rest of human life, Ethics has to take account of the well-being of human society and the natural environment.

TOPICS COVERED:

Week	Торіс
1	What is Engineering Ethics, Ethical concents
I	what is Engineering Ethics, Ethical concepts
2	Three Types of Inquiry
3	Moral Dilemmas, Moral Autonomy, Kohlberg's & Gilligan's Theory
4	Profession and Professionalism
5	Moral Reasoning
6	Ethical Theories
7	Critique codes of ethics
8	Moral frameworks
9	Mid Semester Exam

10	Personal commitments and professional life
11	Engineering as social experimentation
12	Involving the public in the design process, Case studies for engineering as
12	social experimentation
13	Assessment of safety and risk, Design considerations, uncertainty, Risk-benefit
15	analysis
	Safe-exit and fail safe systems, Case Studies for the Design Process Case
14	studies in impact of safety/risk on design, Employee/employer rights and
	responsibilities, Confidentiality and conflict of interest, Whistle-blowing
	Safe-exit and fail safe systems, Case Studies for the Design Process Case
15	studies in impact of safety/risk on design, Employee/employer rights and
	responsibilities, Confidentiality and conflict of interest, Whistle-blowing
16	Case studies on professional behavior/policies on the job, Case Study, Moral
10	leadership in Environmental Science
17	Case studies on professional behavior/policies on the job, Case Study, Moral
17	leadership in Environmental Science
18	End Semester Exam

Text and Material:

- 1. Environmental Ethics: A Very Short Introduction by Robin Attfield, 2018
- The Oxford Handbook of Environmental Ethics by Allen Thompson & Stephen M. Gardiner, 2016
- 3. Fundamentals of Engineering Economics, 3rd ed., by Chan S. Park
- 4. "Engineering Ethics: Concepts and Cases", 4th edition, by Charles E. Harris, Michael S. Pritchard, Michael J. Rabins, Wadsworth, 2008.
- 5. The Seven Habits of Highly effective people by Stephan r. Covey
- 6. Principle Centered Leadership Stephan r. Covey
- 7. Change your lens change your life by (Faiez H. Seyal)
- 8. How to Manage by Ray Wild
- 9. Happiness by Richard Layard

ASSESSMENT SYSTEM:

Theoretical/Instruction	100%
Assignments	10%
Quizzes	15%
Mid Semester Exam	25%
End Semester Exam	50%
Practical Work	0%
Lab Attendance	0%
Lab Report	0%
Lab Quiz	0%
Lab Rubrics	0%