POLITEHNICA University of Bucharest (**UPB**)
Faculty of Engineering and Management of Technological Systems (**IMST**)
Study Programme: Industrial Engineering (**IE**)
Form of study: Licence (Bachelor)

COURSE SPECIFICATION

Course title:	Ethics	***Semester:***	1
Course code:	UPB.06.C.01.L.002	***Credits (ECTS):***	5

Course structure	Lecture	Seminar	Laboratory	Project	Total hours
Number of hours per week	2	2			4
Number of hours per semester	28	28			56

Lecturer	Lecture	Seminar / Laboratory / Project
Name, academic degree	Popa Diana Mariana, PhD. Assistant Professor	Popa Diana Mariana, PhD. Assistant Professor
Contact (email, location)	dianapopa.upb@gmail.com IMST Faculty, Room CK 110	dianapopa.upb@gmail.com IMST Faculty, Room CK 110

Course description:

Students will acquire a framework for analyzing and managing specific engineering related ethical dilemmas as well as ethical dilemmas of scientific research and other ethical issues which may arise in a variety of work settings and organizational contexts. Course topics include:

- Introduction in the study of ethics: etymology, mission, concepts, definitions.
- History of Ethics
- Ethical Dilemmas in the XX century
- Ethical Dilemmas in the informational society
- Ethical Dilemmas in modern organizations
- Social responsibility of organizations
- Research ethics – the purpose, methods and instruments of scientific research
- Deontological codes in professional practices
- Ethical use of technology
- Engineering ethics
- Ethics in the virtual environment

Seminar / Laboratory / Project description:

Debates, group activities and case studies will be used. Students will participate in discussions and debates in order to apply the concepts studied during the course. Case studies and representative texts from the ethics literature will be provided for facilitation of better understanding of the presented theories. Seminar topics include:

- History of Ethics.
- Ethical Dilemmas in the XX century.

- Ethical Dilemmas in the informational society.
- Ethical codes in organizations.
- Case study: Enron.
- The Lucifer –The Stanford Prison Experiment.
- Case study: The Human Terrain System.
- Ethical use of technology.
- Case studies reflecting engineering ethics.
- The problems of anonymity and reputation in the virtual environment.

Intended learning outcomes:

Students will acquire a framework for analyzing and managing specific engineering related ethical dilemmas as well as ethical dilemmas of scientific research and other ethical issues which may arise in a variety of work settings and organizational contexts. Students will participate in discussions and debates in order to apply the concepts studied during the course. Case studies and representative texts from the ethics literature will be provided for facilitation of better understanding of the presented theories.

Assessment method:	% of the final grade	Minimal requirements for award of credits
Written exam	20%	At least 22.5 points for the Seminar At least 50 points out of a total of 100 points.
Report / project		
Homework		
Laboratory/Seminar	45%	
Other	35%	

References:

Floridi, Luciano (Ed.) (2010). *The Cambridge handbook of information and computer ethics*, Cambridge University Press.

Galloway, Patricia D(2008). The 21st-Century Engineer: A Proposal for Engineering Education Reform. American Society of Civil Engineers

Kipp, Jacob; Grau, Lester; Prinslow, Karl; Smith, Don. (2006)*The Human Terrain System: A CORDS for the 21st Century*. Military Review.

Zimbardo, Philip. (2007). *The Lucifer effect: understanding how good people turn evil*. Random House. New York

Prerequisites:	***Co-requisites*** ***(courses to be taken in parallel as a condition for enrolment):***
-	-

Additional relevant information:

-

Date: 11.07.2016

Professional degree, Surname, Name: Assistant Professor Diana Mariana Popa, Phd.