



SEMM 4902

Professional Engineering Practice



Synopsis :

- This course introduces students to engineering ethics and an engineer's responsibilities towards safety, health and welfare of the public.
- This course emphasize on the engineer as a professional man, engineers & society, code of ethics and professional conduct, standards, laws and regulations pertaining to professional engineering practice.
- At the end of the course, students should be able to demonstrate and apply engineering professional ethics in their career as an engineer.



Course Learning Outcomes :

At the end of the course, students should be able to:

- Describe route to professional engineer and discuss rules and regulation in typical engineering works.
- Identify and discuss professional engineering ethics.
- Identify problems and plan for solution using systematic approaches.
- Work effectively in group project.
- Work effectively in individual and group project reports.
- Present and communicate effectively using appropriate presentation tools.
- Demonstrate discipline through attendance

Teaching Methodology :

- This course will utilize the active learning approach where students will actively participate through in-class or electronic discussions on issues and given cases following a lecture/talk/presentation.
- This course will also utilize the cooperative learning approach where students will also be engaged in a group project. Students will be required to present their group project assignments collectively.
- An Adjunct Lecturer/External Speaker will be invited to give a lecture/talk.
- Learning outcomes will be assessed through participation, individual reports, group report and a test.

Assessment :

No.	Assessment	Number	% each	% total
1.	Test 1	1	30	30
2.	Individual Assignment	2	10	20
3.	Group Project			
	- Formal Report	1	30	
	- Presentation	1	10	40
4.	Student's participation			
	1. Attendance		5	
	2. Peer Evaluation		5	10
OVERALL TOTAL				100

Note:

Students should adhere to the rules of attendance as stated in the University Academic Regulations:

Student must attend not less than 80% of lecture hours as required for the subject.