

Course Syllabus

1. **Course title :** Graduation Practice

2. **Course code:** PFGR326010

3. **Credit units:** 2 (0/2/4) (0 units of theory/ 2 units of practice, experiment/ 4 units of self- study)

Duration: 4 weeks working in industry

4. **Course instructors:**

1/

2/ Dr. Tran Thi Kim Anh

5. **Course requirements :**

Preresquisite courses : None

Previous course : Wastewater Treatment, Supply Water Treatment, Air and Noise Pollution Control Techniques

Parallel course : None

6. **Course Description :**

4 weeks of internship provide students on the knowledge of the actual environment. Students will be able to relate their knowledge in the classroom with knowledge in the real world on supply water treatment, wastewater treatment, polluted air, solid waste, etc. Students have the opportunity to develop their professional skills as well as team working activities, communicating and interacting skills in the professional environment. At the same time, through the internship, students develop their thinking as future engineers in the environmental treatment and management issues.

7. **Course Goals**

Goals	Goal description	Programme Expected learning outcome (ELOs)
G1	Advanced knowledge in the field of environmental treatment and management.	ELO3
G2	Ability to analyze, explain and solve some problems on environmental treatment and management systems.	ELO7, ELO8
G3	Team working and communicating skills on document and presentation.	ELO9, ELO10
G4	Ability to conceive ideas, build methods, implement the applying.	ELO12, LO15, ELO16

8. Course learning outcomes: (CLOs)

CLOs		CLOs description (After accomplishing this course, students are able to:)	Programme ELOs
G1	CLO1	Recommend the professional knowledge on environmental treatment and management system in the real conditions.	ELO3
G2	CLO2	Plan the internship progress at the companies	ELO7
	CLO3	Choose the solutions to solve the environmental issues at the companies.	ELO8
G3	CLO4	Develop the co-ordinating and group working skills.	ELO9
	CLO5	Communicate effectively through written documents and oral presentation.	ELO10
G4	CLO6	Practise the role of an environmental engineer in the real conditions toward the industry and the society.	ELO12
	CLO7	Monitor the environmental treatment and management systems.	ELO15
	CLO8	Operate the environmental treatment and management systems.	ELO16

9. Learning Resources

- Text book :
 1. Documents of company and other specified documents

10. Student Assessment :

- Grading scale : 10
- Assessment plan :

Type	Content	Timeline	Assesment Method	CLOs	Rate (%)
Assignments					
1	Attendance at the company and abide the internship's regulations (guidance at the internship will evaluate)	Every week	Result evaluation	CLO1, CLO2 CLO4, CLO7 CLO8	20
Final test					
2	Practice report	After 4 weeks	Result evaluation	CLO1, CLO2 CLO3, CLO4 CLO5, CLO6	30
3	Oral presentation	After 4 weeks	Result evaluation	CLO1, CLO3 CLO5, CLO6 CLO7, CLO8	50

11. Course content

Week	Content	CLOs
1	Introduction (0/5/10)	
	A/ Content (5) + Plan the internship + Internship syllabus Summary of teaching methodology: <ul style="list-style-type: none"> • Guide on selecting suitable internship fields • Guide on internship content necessary to achieve course learning outcome • Introduce students to industries 	CLO1, CLO2, CLO3, CLO4, CLO5, CLO6, CLO7, CLO8
	B/ The contents of home self-study (10) + Reading the company's document and planning internship progress + Summarize specified knowledge and necessary skills for Internship	
2-5	Practice in companies (0/155/310)	
	A/ Content (155) + Reading documents related not only activity fields but also regulation of company + Join the company's activities under the guidance of professional engineers in environmental management and treatment + Assess environmental issues and propose environmental solutions to internships + Research and use tools to implement the practice report Summary of teaching methodology: + Attendance at the internship on time as schedule. + Implement the work assigned by company + Self research and self study to accumulate practical experience at the internship + Collect and treat the data, materials and pictures for the internship report + Report the results of the internship to guidance at the internship and the instructor at the school.	CLO1, CLO2, CLO3, CLO4, CLO5, CLO6, CLO7, CLO8
	B/ The contents of home self-study (310) + Writing practice report	

12. Learning ethics:

The homework and projects must be implemented by the students themselves. If the copy is detected, the students will be evaluated with the zero of the processing grade and final exam.

13. Date of first approval: August 1st, 2012

14. Approved by:

Dean

Head of Department

Compiler

A/Prof. Nguyễn Văn Sức

MSc Nguyen Thi Minh Nguyet

Nguyen Thi Tinh Au

15. Date and Up-to-date content

<p>1st time: Date: 2015 - Update content and structure of the programme adjusted in: Practice content and practice time</p>	<p>Instructor:</p> <p>Head of Department:</p> <p>Dr. Trần Thị Kim Anh</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------

