

CB532 Environmental & Sanitary Engineering

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
CB382	5	9	2	2	0	3

COURSE AIM

The course aims at introducing the student to the main sources of pollution, understanding the water quality management and wastewater treatment and disposal systems.

COURSE WEEKLY CONTENTS

- 1 Environmental systems and sustainable development.
- 2 Pollution: sources, effects and control (1,2).
- 3 Pollution: sources, effects and control (1,2). Continued
- 4 Water quality management
- 5 Ground water and wells classifications.
- 6 Surface water collection, treatment and distribution (1,2).
- 7 Surface water collection, treatment and distribution (1,2). Continued+Midterm Exam
- 8 Wastewater properties and biochemical cycle.
- 9 Sewerage systems classification and design (1,2).
- 10 Sewerage systems classification and design (1,2). Continued
- 11 Preliminary wastewater treatment
- 12 Primary wastewater treatment
- 13 Biological wastewater treatment
- 14 Wastewater and sludge disposal (1,2).
- 15 Wastewater and sludge disposal (1,2). Continued

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	20 Midterm	←	10	MARKS		→	30
To be freely distributed among possible assessments							
8 to 12	←		20	MARKS		→	20
13 to 15	←		10	MARKS		→	10
16 or 17	40 Final						40
Total	Exams	Assign.	Quizzes	Reports	Present.	Lab.	100

REFERENCES

Textbook	Introduction to Environmental Engineering, M.L. Davis and Cornwell, McGraw Hill, 5th Edition, 2012
Other	Engineering, Collection and Pumping of Waste water, Metcalf and Eddy, McGraw-Hill Co., New York, Latest Edition.