

NE467 Management of Energy Resources

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Lab.	
None			2	2	0	3

COURSE AIM

The main goal of the course is to teach the student how to manage the use and production of energy for a sustainable development and the sake of the environment.

COURSE WEEKLY CONTENTS

- 1 Energy for sustainable development (1)
- 2 Energy for sustainable development (2)
- 3 Metal and corrosive Environments
- 4 Strategic components of sustainable energy (2)
- 5 Renewable energy technologies (1)
- 6 Renewable energy technologies (2)
- 7 Energy audit process & maintenance management (1)- Midterm Exam
- 8 Energy audit process & maintenance management (2)
- 9 Energy audit process & maintenance management (3)
- 10 Energy audit process & maintenance management (4)
- 11 Lighting
- 12 Power factor correction- 12th Assessment
- 13 Control system and computers
- 14 Combustion processes & the use of industrial wastes
- 15 Heating, ventilating and air conditioning (HVAC)

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 Energy resources and Environmental management (prepared by lecturer).
 Other