CODE: ENVE 452

Course: Gas emissions treatment technologies

Mandatory:  
Elective: X  
Specialization:  

Semester: F X S  
Teaching Units: 3  
ECTS: 5  

Teaching Hours per week:  
T 2  
E 1  
L  

Instructors: I.V. Yentekakis

Textbooks (Eudoxus):  

Other recommended books:  

Notes:  
At the site of lab: www.pccplab.tuc.gr

Labs:  
# of lab exercises:  
Individual Reports  
Team Reports  
Lab final written exam  % of Final Lab Grade  

Final Grade:  
Final Exam 90 %  
Project  
Labs 10 %  
Other ( )  

Course Syllabus:
- Atmospheric pollution from anthropogenic emissions; an introduction
- The pollutants and their origin. Their behavior and changes into the atmosphere
- Global scale pollution influences.
- National and international laws and registrations in respect to emissions.
- Gas emissions control technologies: mobile sources (automotive pollution control, etc)
- Gas emissions control technologies: stationary sources (industry emissions control, etc)
- Particulate matter pollution and its control
- Novel, alternative clean technologies for energy and chemicals production