Code: ENVE 436  
Course: Water Resources Management

Mandatory:  
Elective: X  
Specialization:  

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

Teaching Hours per week:  
T: 2  
E:  
L: 1

Instructors: Kourgialas Nektarios

Textbooks (Eudoxus): Environmental Modelling, J.L. Schnoor, 1996

Other recommended books:  
Κουτσογιάννης, Δ., Σημειώσεις Διαχείρισης Υδατικών Πόρων - Μέρος 1, Τομέας Υδατικών Πόρων, Υδραυλικών και Θαλάσσιων Έργων – Εθνικό Μετσόβιο Πολυτεχνείο, 2007.  

Notes: E-class: Lab Notes – Kourgialas Nektarios

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

Final Grade:  
Final Exam 70 %  
Project (presentation) 10 %  
Labs 20 %  
Other (Project rep ort) %

Course Syllabus:  
1. Introduction to Water Resources Management (surface water – groundwater)  
2. Quantitative and qualitative water resources management in the context of anthropogenic interventions and climate change  
3. Application of Water Directive  
4. Environmental Protection Systems – Pollution categories, Legislation  
5. Water Resources Management Models in GIS environment, SWAT model