

Advanced Topic in EnSE - Course Syllabus

Course Number: EnSE316

Course Title: Advanced Topic in EnSE

Academic Semester:	Spring	Academic Year:	2015/ 2016
Semester Start Date:	Jan 24, 2016	Semester End Date:	May 19, 2016

Class Schedule: Mondays and Wednesdays 14:30

Classroom Number: TBD

Instructor(s) Name(s): Peng Wang
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Office Location: Building 4, Room 4233

COURSE DESCRIPTION FROM PROGRAM GUIDE

The course reviews current topics in bioscience, particularly relying on scientific journal publications to provide case studies, illustrative examples, classic studies, and controversial findings pertinent to specific fields within biosciences. The course will feature an emphasis on primary literature searches, reading and assessment of primary literature. It is expected that the student reads no less than 5 scientific papers per week in the prescribed topic area and is capable of presenting and critically discussing the content of these publications. In this level 300 course, the student assessment is based on active participation in the lectures and tutorials.

COMPREHENSIVE COURSE DESCRIPTION

The course reviews current topics in Environmental Science and Engineering, including but not limited to environmental chemistry, microbiology and biotechnology, materials for water treatment, environmental hydrology, physical and chemical water treatment, and environmental management.

GOALS AND OBJECTIVES

It is expected that the student reads no less than 5 scientific papers per week in the prescribed topic area and is capable of presenting and critically discussing the content of these publications.

REQUIRED KNOWLEDGE

The student is expected to have had a good knowledge of his/her research field. The course is open only to PhD students.

REFERENCE TEXTS

N/A

METHOD OF EVALUATION

Graded content
In this level 300 course, the student assessment is based on active participation in the lectures, tutorials, and discussions.

COURSE REQUIREMENTS

Assignments

The course relies heavily on scientific journal publications to provide case studies, illustrative examples, classic studies, and controversial findings pertinent to specific fields within Environmental Science and Engineering. The course will feature an emphasis on primary literature searches, reading and assessment of primary literature.

Course Policies

Absences will be taken into the consideration of the course grading and late assignments will be accepted but penalized accordingly.

Additional Information

NOTE

The instructor reserves the right to make changes to this syllabus as necessary.