

Syllabus

Seminar in Energy Studies I

Course Name	Course type (credit/hours)		전공(1/2)			Course code	
	Target students Division/major/grade		/			Opening semester	
	Class time and classroom		화4(전109) 화5(전109)(전109)				
Reference to this course	Related basic courses						
	Recommended concurrent courses						
	Related advanced courses						
Instructor	Name (title/division)						
	Office Room Number		Office phone Number	2577	e-mail	huijoon@ajou.ac.kr	
	Office hours		Homepage address				
Teaching Assistant	Name (title/division)						
	Office Room Number		Office phone Number		e-mail		

1. Introduction

Seminar in Energy Studies I, being given in the First semester of an academic year, is designed to mobilize all the members' research capability with it's aim to successfully implement the interdisciplinary study for graduate students. For this purpose, every graduate students including those who already accomplish their coursework are obliged to participate.

Research topic will be carefully selected by graduate students who have to take this course as credit through thorough discussion with their advisory members and collaborators. Ph.D. candidate students are asked to help those students in their progress of research.

2. Course Objectives

3. Class types and activities

Lectures by invited speakers

4. Teaching Method

Main form of the course will be composed of three parts:

- 1: Updated introductory course for each lab. in the department of energy studies
- 2: Collaborative work among the members of each lab., especially those who are taking this class for credit under the guidance of the research advisors
- 3: Open presentation of their work and evaluation

There will be occasional talks by invited outside speakers. Also there will be Open Defense by MA and Ph.D. candidates who are expected to graduate in this semester.

5. Knowledge and ability required for taking this course

6. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	
midterm exam			
final exam			
quiz			
presentation	1	90	
discussion			
homework			
etc			

Evaluation

Attendance: 20%.

Report and Final Presentation: 80%

7. Textbooks

Main/Sub	Title	Writer	Publisher	Publication year
부교재	Selected Articles and books			

8. Lecture Schedule

Week	Lecture contents	Lesson type	Remark
1	Introduction		
2	Introduction to Research Progress: Energy Process Lab.		
3	Introduction to Research Progress: Energy Modeling Lab.		
4	Introduction to Research Progress: Energy Materials and Devices Lab.		
5	Introduction to Research Progress: Power System Lab.		
6	Presentation of Research Plan: Team 1 & 2		
7	Presentation of Research Plan: Team 3 & 4		
8	Mid-Term		
9	Outside Speaker (Selected Topic)		
10	Outside Speaker (Selected Topic)		
11	Open Seminar as a part of defense process (1)		
12	Open Seminar as a part of defense process (2)		
13	Open Seminar as a part of defense process (3)		
14	Team Presentation and Final Evaluation (1)		
15	Team Presentation and Final Evaluation (2)		
16	Final Exam. – Submission of Revised Term Report		

9. Others