

**Middle East Technical University
Department of Computer Engineering**

**CENG 491 Computer Engineering Design I
Fall 2009**

Instructors:

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Lecture Hours:

Section 01 & 02: Monday 12:40 (BMB1), Friday 10:40, 11:40 (BMB1) Monday courses will be used as project meeting hour except for the first week and last couple of weeks. In the last weeks of the semester, project presentations will be held on Monday courses. Friday courses will be conducted as regular course hours.

Newsgroup: metu.ceng.course.490

Course Web Page: CENG 490 course page under COW

Prerequisite: CENG 350

Course Objectives: Making student use their theoretical knowledge into practice by designing a complete solution to a real life computer problem. Giving basic analysis and design issues, methods and considerations. Improving the teamwork, communications skills and creativity. Providing an environment to learn and use the latest technologies and trends in the software and hardware development market. Making the students aware of ethics and legal issues in the computer engineering.

Course Outline and Schedule:

Date	Topic	Deadline for Deliverables (following Monday)
September 28, 2009 Monday	Introduction	
October 2, 2009 Friday	Introduction	
October 9, 2009 Friday	Report Writing	Teaming Up + Project Topic
October 16, 2009 Friday	Teamwork and Creative Thinking	
October 23, 2009 Friday	Invited Speaker I	Proposal Report
October 30, 2009 Friday	Analysis	
November 6, 2009 Friday	Ethics I	
November 13, 2009 Friday	Ethics II	Requirements Analysis
November 20, 2009 Friday	Design	
November 27, 2009 Friday	Holiday	
December 4, 2009 Friday	Invited Speaker II	
December 11, 2009 Friday	How to make presentations	Initial Design Report
December 18, 2009 Friday	Team Presentations	
December 21, 2009 Monday	Team Presentations	
December 25, 2009 Friday	Team Presentations	
December 28, 2009 Monday	Team Presentations	
January 4, 2009 Monday	Team Presentations	
January 8, 2009 Friday	Team Presentations	Detailed Design Report
January 11-23, 2009	Final Exams	Prototype Demo

Grading:

Proposal	5%
Requirements Analysis Report	20%
Initial Design Report	11%
Detailed Design Report	22%
Final Presentation	10%
Weekly Progress	20%
Prototype Demo	7%
Attendance and class Activity	5%
Best team(s) bonus	5%

Code of Honor: Any work you submit must be your own.