

MIDDLE EAST TECHNICAL UNIVERSITY
Department of Computer Engineering --- Spring 2016
Midterm date: April 19, 2017

- 1. Course Code & Title:** CENG 769, Web Based Software Architectures
- 2. Contents:** Introduction to WWW, HTTP, HTML. Web2.0 and CSS, DHTML, JavaScript. Document Object Model(DOM), event model. XML, DTD, XSL. Server side scripting languages & frameworks, PHP, Ruby, etc.
- 3. Instructor:** Prof. Dr. Ahmet COSAR (cosar@metu.edu.tr)
- 4. Hours: Thursday 14:40-15:30 BMB-5**
- 5. Course Outline**
 - Week-1: Introduction to HTTP, TCP/IP
 - Week-2: HTML
 - Week-3,4: CSS, DHTML, DOM
 - Week-5,6,7: JavaScript, JQuery
 - Week-8,9,10: HTML5
 - Week-11: XML, DTD, XSL, JSON
 - Week-12: REST, AJAX
 - Week-13: PHP, Python
 - Week-14: Ruby, Rails
- 6. References**
 - Internet & World Wide Web How To Program, 2nd ed, Deitel&Deitel, 2005
 - AJAX, Rich Internet Applications, and Web Development for Programmers, Deitel &Deitel, 2008
 - HTML5 Designing Rich Internet Applications, Matthew David, 2010
 - Web Application Architecture-Principles, Protocols & Practice, Shklar & Rosen, 2003
 - Web services on Rails, Marshall, 2006
 - Instructor materials
- 7. Course Conduct**
 - Formal lectures, Project
- 8. Grading:** MT (30%), Final (40%), Project(30%).