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
   - HTML5 Designing Rich Internet Applications, Matthew David, 2010
   - Web services on Rails, Marshall, 2006
   - Instructor materials

7. **Course Conduct**
   - Formal lectures, Project

8. **Grading:** MT (30%), Final (40%), Project(30%).