1. **Course Code & Title**: CENG 769, Web Based Software Architectures

2. **Contents**: Introduction to WWW, HTTP, HTML, Web2.0 and CSS, JavaScript. Document Object Model(DOM), DOM event model. XML, XSL, XQuery. Server side scripting languages & frameworks, PHP, Flask, etc.

3. **Instructor**: Prof. Dr. Ahmet COSAR (cosar@metu.edu.tr)

4. **Hours**: Thursday 13:40-16:30 BMB-4

5. **Course Outline**
   - Week-1: Introduction to HTTP, TCP/IP
   - Week-2: HTML
   - Week-3,4: CSS, Bootstrap
   - Week-5,6: JavaScript, DOM
   - Week-7,8: HTML5, jQuery
   - Week-9,10: XML, XSL, XSLT, XPath, XQuery
   - Week-11: REST, AJAX, JSON
   - Week-12,13: PHP, Python, Flask
   - Week-14 Node.js

6. **References**
   - Internet & World Wide Web How To Program, 2nd ed, Deitel&Deitel, 2005
   - HTML5 Designing Rich Internet Applications, Matthew David, 2010
   - Instructor materials

7. **Course Conduct**
   - Formal lectures, Programming assignments

8. **Grading**: MT (40%), Final (40%), Assignments(20%).