



**EASTERN MEDITERRANEAN UNIVERSITY**  
**SCHOOL OF COMPUTING AND TECHNOLOGY**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**COURSE POLICY SHEET**



|                        |                    |                        |   |
|------------------------|--------------------|------------------------|---|
| <b>Course Code</b>     | ITEC447            | <b>Course Title</b>    | Web Projects  |
| <b>Semester</b>        | Fall               | <b>Language</b>        | English   |
| <b>Category</b>        | AE (Area Elective) | <b>Level</b>           | Fourth Year   |
| <b>Workload</b>        | 180 Hours          | <b>Teaching Format</b> | 2 Hours Lecture, 2 Hours Laboratory   |
| <b>EMU Credit</b>      | (3,1,0) 3          | <b>ECTS Credit</b>     | 6   |
| <b>Prerequisite(s)</b> | -                  | <b>Course Web</b>      | <a href="http://staff.emu.edu.tr/ibrahimadeshola/en">http://staff.emu.edu.tr/ibrahimadeshola/en</a> |

|                       |                             |                   |        |
|-----------------------|-----------------------------|-------------------|--------|
| <b>Instructors(s)</b> | Ibrahim Adeshola            |                   |        |
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| Course Description   |
|--|
| <p>This course aims to encourage students to improve their team-working skills in web-based projects. The course focuses on designing, developing and presenting real-life web projects. Students who take this course will use one or more web development tools in order to design and develop websites. They will also learn how to deal with HTML, CSS, JavaScript, PHP, MySQL, web templates, web forms, JQuery, and Flash-based contents. The importance of the web programming languages is discussed in a real-life project.</p> |

| General Learning Outcomes   |
|---|
| <p>On successful completion of this course students should be able to:</p> <ul style="list-style-type: none"><li>▪ On successful completion of this course students should be able to:</li><li>▪ Understand the significance of the Markup language,</li><li>▪ Understand the significance of the Stylesheet language,</li><li>▪ Understand the significance of the Script languages,</li><li>▪ Understand the significance of the database,</li><li>▪ Comprehend and use efficiently web development tools,</li><li>▪ Understand the importance of working in a group and improve working skills in a web-based project,</li><li>▪ Comprehend real-life projects in the Computer Science field,</li><li>▪ Understand and overcome the problems related to web-based projects,</li><li>▪ Understand the needs of Industry,</li><li>▪ Be aware of current research issues and projects in the IT sector.</li></ul> |

| Teaching Methodology / Classroom Procedures   |
|---|
| <ul style="list-style-type: none"><li>▪ The course has three lecture sessions and one laboratory session.</li><li>▪ Lecture notes and the lab materials are available on the course website.</li><li>▪ Participation in the lab session is graded.</li><li>▪ There is no midterm exam.</li><li>▪ There is a final exam which includes all the chapters.</li><li>▪ The final exam is practical.</li><li>▪ There is a group-based term project.</li><li>▪ The project should be submitted as a soft and hard copy.</li><li>▪ The project is assigned to the students in the second week of the semester and submitted at the end of the</li></ul> |

semester on the presentation day.

- There are four assignments.
- The assignments should be submitted as a hard copy.
- There is no need to take the plagiarism test for both assignments and the project.
- Class attendance is compulsory.
- The student is responsible to check the course web site regularly and view the latest announcements.

### Course Materials / Main References

**Text Book:**

Rand-Hendriksen, Morten. Sams Teach Yourself Microsoft® Expression™ Web 4 in 24 Hours, Second Edition. ISBN-10: 0-672-33590-5, Pearson Education, Inc - 2012

**Lecture Notes:**

All course materials are also available online in Adobe PDF (Portable Document Format). (P/W: cxa1294z)

### Weekly Schedule / Summary of Topics

|                    |   |
|--------------------|---|
| <b>Week 1</b>      | Introduction: Web Project Proposal, Project Scope, Requirements Gathering, Tools and Installation.          |
| <b>Week 2</b>      | Technical and Analytical Skills: Systems Development Life Cycle & Objectives Formulation.                   |
| <b>Week 3</b>      | Prototype: Creating a Simple Website, Structure of a Page, and Structure of a Site.                         |
| <b>Week 4</b>      | Design: HTML, CSS, JavaScript and Web Forms.  |
| <b>Week 5</b>      | Design: Interfaces, Templates and Database.   |
| <b>Weeks 6</b>     | Server-Side Dynamic Website: Registration, Login, Contact Forms and TimeLine.                               |
| <b>Week 7</b>      | Server-Side Dynamic Website: Multi Step Registration and Survey Forms.                                      |
| <b>Weeks 8-9</b>   | <b>Midterm Examinations</b>   |
| <b>Weeks 10</b>    | Server-Side Dynamic Website: Authentication and Authorization.  |
| <b>Week 11</b>     | API's Integrations: Map, Amazon S3 Bucket, Social Registration and Login.                                   |
| <b>Weeks 12</b>    | Content Management Systems & Frameworks: WordPress, Joomla, OpenCart, WooCommerce, Laravel and CodeIgniter. |
| <b>Weeks 13</b>    | Web Hosting & Corporate Email: LINUX & WINDOWS Hosting, GSuite, Webmail and Outlook Office.                 |
| <b>Weeks 13</b>    | Security & Backups: IDS, IPS, SSL/TLS, SPF, DMARC, Cloud Based Backup and Archiving.                        |
| <b>Weeks 14</b>    | Project Presentations   |
| <b>Weeks 15-17</b> | <b>Final Examinations</b>   |

### Requirements

- One who misses an exam should provide a medical report or a valid excuse within 3 days after the missed exam.
- The make-up exam is done at the end of the term and covers all the topics.
- Students who fail to attend the lectures regularly may be given NG grade.
- Once the grades are announced, the students have only one week to do objection about their grades.
- It is the students' responsibility to follow the announcement on the course website.

| Evaluation and Grading | Term Projects | Activities | Assignment | Final Exam |
|------------------------|---------------|------------|------------|------------|
| Percentage             | 45 %          | 10 %       | 10 %       | 35 %       |