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| **ISHIK UNIVERSITY FACULTY OF SCIENCE Department of INFORMATION TECHNOLOGY,2017-2018 Spring Course Information for** **IT 240 WEB DESIGN** |

|  |  |
| --- | --- |
| **Course Name:** | WEB DESIGN |
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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Course type** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** |
| IT 240 | 2 | 4 | 2 | 2 | 3 |  |

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| **Name of Lecturer(s)-Academic Title:** | Payam Wali M. Hussein - MSc |
| **Teaching Assistant:** | Samiha Osama |
| **Course Language:** | ENGLISH |
| **Course Type:** | Non-area Elective |
| **Office Hours** | Sunday 09:00-11:00, Thursday 11:00-12:00 |
| **Contact:** | Email:payam.wali@ishik.edu.iq Tel:-  |
| **Teacher's academic profile:** | BSc in Information Technology/University of Kurdistan-Hawler Msc in Computer Engineering/ Fatih Yniversity  |
| **Course Objectives:** | This is an undergradaute course of IT department, it helps the students to understand the importance of the web as a medium of communication, understand the principles of creating an effective web page, including an in-depth consideration of information architecture. Become familiar with graphic design principles that relate to web design and learn how to implement these theories into practice. Develop skills in analyzing the usability of a web site.Learn the language of the web: HTML and CSS. Develop skills in using dreamwaver web development software. Understand and develop the concept of web interaction with javascript. |
| **Course Description (Course overview):** | Web Design course is mainly an undergraduate course of students in IT department and it lets the students to understand the fundamental protocols and methods that underlie in the operation of the web. It aims to provide students with basic knowledge and skills that are necessary in designing websites for various purposes by using available tools that are introduced in the course including HTML, CSS and JavaScript. |
| **COURSE CONTENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topic** |
| **1** | 2 | 4-8/2/2018 | Introduction to the Internet |
| **2** | 2 | 11-15/2/2018 | Introduction to the HTML |
|  |  |  |  |
| **3** | 2 | 18-22/2/2018 | Tags\\\\Attributes, Lists and Tables / Project announcement |
| **4** | 2 | 25/2-1/3/2018 | Links and Images/ Quiz 1 |
|  |  |  |  |
| **5** | 2 | 4-8/3/2018 | Introduction to Cascading Style Sheets |
| **6** | 2 | 25-29/3/2018 | CSS - Selector Type, Values, Common Properties |
|  |  |  |  |
| **7** | 2 | 1-5/4/2018 | Midterm Exam |
| **8** | 2 | 8-12/4/2018 | Directory Structure, Some Common Tags |
|  |  |  |  |
| **9** | 2 | 15-19/4/2018 | CSS Improvement - Typography, Imagery |
| **10** | 2 | 22-26/4/2018 | Web Page Layout Techniques/ Quiz 2 |
|  |  |  |  |
| **11** | 2 | 29/4-3/5/2018 | Introduction to JavaScript : Variable, If-Else, Switch |
| **12** | 2 | 6-10/5/2018 | Forms, Events, and Event Handling, Try-Catch./ Deadline for Project Submission |
|  |  |  |  |
| **13** | 2 | 13-17/5/2018 | Project Presentations |
| **14** | 2 | 20-24/5/2018 | Project Presentations |
|  |  |  |  |
| **15** | 2 | 27-31/5/2015 | Final Exam |
| **16** | 2 | 3-7/6/2018 | Final Exam |
|  |  |  |  |
| **17** | 2 | 10-14/6/2018 |  |

 |
| **COURSE/STUDENT LEARNING OUTCOMES**

|  |  |
| --- | --- |
|  |  |
| **1** | Discover the basic communication over the web between client and server |
| **2** | Identify the concept behind HTTP protocol request. |
| **3** | Develop basic knowledge about web design using HTML |
| **4** | Distinguish the concept of separating the design from page styling using CSS. |
| **5** | Explain the concept of web interactions through forms with Java script. |

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| **COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES**(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced )

|  |  |  |
| --- | --- | --- |
|  | **Program Learning Outcomes** | **Cont.** |
| **1** | An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution | I |
| **2** | An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs | A |
| **3** | An ability to function effectively on teams to accomplish a common goal | A |
| **4** | An understanding of professional, ethical, legal, security, social, and economic issues and responsibilities |  |
| **5** | An ability to analyze the local and global impact of computing on individuals, organizations, and society | P |
| **6** | An ability to use current techniques, skills, and tools necessary for computing practice | P |
| **7** | An ability to use and apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies | P |
| **8** | An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems |  |
| **9** | An ability to effectively integrate IT-based solutions into the user environment | P |
| **10** | An ability apply problem solving skills, core IT concepts, best practices and standards to information technologies |  |
| **11** | An ability to identify and evaluate organizational requirements and current and emerging technologies |  |
| **12** | An ability to select, design, integrate and administer IT-based solutions into the organizational environment |  |

 |
| **Prerequisites (Course Reading List and References):** | This is a beginner course, any previous course is not an obligation but Multimedia and Programming Fundamental courses will facilitate the performance of the students in understanding the new subject. |
| **Student's obligation (Special Requirements):** | The students should attend the lecture and lab sessions and they are required to do a term Project. |
| **Weekly Laboratory/Practice Plan:** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topics** |
| 1 | 2 | 4-8/2/2018 | Introduction to Internet |
| 2 | 2 | 11-15/2/2018 | Introduction to the HTML |
|  |  |  |  |
| 3 | 2 | 18-22/2/2018 | Tags\\\\Attributes, Lists and Tables |
| 4 | 2 | 25/2-1/3/2018 | Links and Images |
|  |  |  |  |
| 5 | 2 | 4-8/3/2018 | Introduction to Cascading Style Sheets |
| 6 | 2 | 25-29/3/2018 | CSS - Selector Type, Values, Common Properties |
|  |  |  |  |
| 7 | 2 | 1-5/4/2018 | Midterm Exam |
| 8 | 2 | 8-12/4/2018 | Directory Structure, Some Common Tags |
|  |  |  |  |
| 9 | 2 | 15-19/4/2018 | CSS Improvement - Typography, Imagery |
| 10 | 2 | 22-26/4/2018 | Web Page Layout Techniques |
|  |  |  |  |
| 11 | 2 | 29/4-3/5/2018 | Introduction to JavaScript : Variable, If-Else, Switch |
| 12 | 2 | 6-10/5/2018 | Forms, Events, and Event Handling, Try-Catch. |
|  |  |  |  |
| 13 | 2 | 13-17/5/2018 | Revision |
| 14 | 2 | 20-24/5/2018 | Practical Exam |
|  |  |  |  |
| 15 | 2 | 27-31/5/2015 | Final Exam |
| 16 | 2 | 3-7/6/2018 | Final Exam |
|  |  |  |  |
| 17 | 2 | 10-14/6/2018 |  |

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| **Course Book/Textbook:** | Learning Web Design, A Beginner’s Guide to HTML, Style Sheets, and Web Graphics, Third Edition, by Jennifer Niederst Robbins |
| **Other Course Materials/References:** | HTML & CSS: Design and Build Websites, by Jon Duckett Javascript and JQuery, by Jon Duckett |
| **Teaching Methods (Forms of Teaching):** | Lectures, Practical Sessions, Excersises, Presentation, Project, Assignments |
| **COURSE EVALUATION CRITERIA**

|  |  |  |
| --- | --- | --- |
| **Method** | **Quantity** | **Percentage (%)** |
| Participation | 1 | 10 |
| Quiz | 2 | 5 |
| Project | 1 | 10 |
| Midterm Exam(s) | 1 | 20 |
| Lab/Practical Exam(s) | 1 | 10 |
| Final Exam | 1 | 40 |
| **Total** | **100** |
| **Examinations:**Fill in the Blanks, Multiple Choices, Short Answers |  |  |

 |
| **Extra Notes:** |
| **ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activities** | **Quantity** | **Duration (Hour)** | **Total Work Load** |
| Course Duration (Including the exam week: 16x Total course hours) |  |  | 0 |
| Hours for off-the-classroom study (Pre-study, practice) |  |  | 0 |
| Assignments Mid-terms |  |  | 0 |
| Final examination |  |  | 0 |
| Other |  |  | 0 |
| **Total Workload** | **0** |
| **ECTS Credit (Total workload/25)** | **0** |

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**Peer review**

|  |  |  |
| --- | --- | --- |
| Signature: | Signature: | Signature: |
| Name: | Name: | Name: |
| Lecturer                                                                       | Head of Department                                                         | Dean |

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