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| **ISHIK UNIVERSITY FACULTY OF SCIENCE Department of INFORMATION TECHNOLOGY,2017-2018 Spring Course Information for** **IT 326 WEB PROGRAMMING** |

|  |  |
| --- | --- |
| **Course Name:** | WEB PROGRAMMING |
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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Course type** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** |
| IT 326 | 2 | 6 | 2 | 2 | 3 |  |

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| **Name of Lecturer(s)-Academic Title:** | Mohammed Abdulghani - |
| **Teaching Assistant:** | - |
| **Course Language:** | English |
| **Course Type:** | Non-area Elective |
| **Office Hours** | 1 |
| **Contact:** | Email:mohammed.abdulghani@ishik.edu.iq Tel:+9647504450908  |
| **Teacher's academic profile:** | Bsc. Salahaddin University/ Software Engineering (Search Engine)/Kurdistan, Iraq. Msc. Bahcesehir Unversity/ Computer Engineering (Bioinformatics)/Turkey PhDc Neareast University/ Computer Engineering (Computer Vision)/North Cypurs  |
| **Course Objectives:** | By the end of the course the student will be able to make their pages dynamic based upon user interaction, interacting with HTML forms and store and retrieve information |
| **Course Description (Course overview):** | The course introduces the basic concepts, principles and tools that are used to develop WEB applications. The course provides an overview of Internet technology and also introduces current Web protocols server side programming, communication and design. |
| **COURSE CONTENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topic** |
| **1** | 2 | 4-8/2/2018 | Introduction to php |
| **2** | 2 | 11-15/2/2018 | Basic PHP Syntax, Testing Script, Sending Text to the Browser, Using the PHP Manual, Adding Comments, |
|  |  |  |  |
| **3** | 2 | 18-22/2/2018 | Variable Syntax |
| **4** | 2 | 25/2-1/3/2018 | Creating a Simple Form, Choosing a Form Method, Receiving Form Data |
|  |  |  |  |
| **5** | 2 | 4-8/3/2018 | Display Errors, Manually Sending Data to a Page |
| **6** | 2 | 25-29/3/2018 | Using Numbers, Performing Arithmetic, Formatting Numbers, Understanding Precedence, Incrementing and Decrementing a Number |
|  |  |  |  |
| **7** | 2 | 1-5/4/2018 | Midterm Exam |
| **8** | 2 | 8-12/4/2018 | Using Strings, Concatenating Strings, Handling Newlines, Encoding and Decoding Strings, |
|  |  |  |  |
| **9** | 2 | 15-19/4/2018 | Midterm Exam |
| **10** | 2 | 22-26/4/2018 | Transforming Between Strings and Arrays, Creating an Array from a Form |
|  |  |  |  |
| **11** | 2 | 29/4-3/5/2018 | Creating Templates, Using External Files, Using Constants, Working with the Date and Time, |
| **12** | 2 | 6-10/5/2018 | Handling HTML Forms with PHP, Making Forms Sticky, Sending Email, Output Buffering, Manipulating HTTP Headers |
|  |  |  |  |
| **13** | 2 | 13-17/5/2018 | Cookies and Sessions, What Are Cookies?, Creating Cookies, Reading from Cookies, Adding Parameters to a Cookie, Deleting a Cookie, What Are Sessions?, Creating a Session, Accessing Session Variables, Delating a Session |
| **14** | 2 | 20-24/5/2018 | Creating Functions, Creating and Using Simple Functions, Creating and Calling Functions That Take Arguments , Setting Default Argument Values, Creating and Using Functions That Return a Value, Understanding Variable Scope |
|  |  |  |  |
| **15** | 2 | 27-31/5/2018 | Final Exam |
| **16** | 2 | 3-7/6/2018 | Final Exam |
|  |  |  |  |
| **17** | 2 | 10-14/6/2018 | Final Exam |

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| **COURSE/STUDENT LEARNING OUTCOMES**

|  |  |
| --- | --- |
|  |  |
| **1** | Discuss how server-side programming works on the web |
| **2** | Examine PHP Basic syntax for variable types and calculations. |
| **3** | Creating conditional structures |
| **4** | Use POST and GET in form submission. |

 |
| **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 | P |
| **2** | An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs | P |
| **3** | An ability to function effectively on teams to accomplish a common goal | P |
| **4** | An understanding of professional, ethical, legal, security, social, and economic issues and responsibilities | P |
| **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 |  |
| **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):** | Know basics of html and css |
| **Student's obligation (Special Requirements):** | Students are required to join the related Edmodo class and follow all the updates from there |
| **Weekly Laboratory/Practice Plan:** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topics** |
| 1 | 2 | 4-8/2/2018 | Introduction to php |
| 2 | 2 | 11-15/2/2018 | Basic PHP Syntax, Testing Script, Sending Text to the Browser, Using the PHP Manual, Adding Comments, |
|  |  |  |  |
| 3 | 2 | 18-22/2/2018 | Variable Syntax |
| 4 | 2 | 25/2-1/3/2018 | Creating a Simple Form, Choosing a Form Method, Receiving Form Data |
|  |  |  |  |
| 5 | 2 | 4-8/3/2018 | Display Errors, Manually Sending Data to a Page |
| 6 | 2 | 25-29/3/2018 | Using Numbers, Performing Arithmetic, Formatting Numbers, Understanding Precedence, Incrementing and Decrementing a Number |
|  |  |  |  |
| 7 | 2 | 1-5/4/2018 | Midterm Exam |
| 8 | 2 | 8-12/4/2018 | Using Strings, Concatenating Strings, Handling Newlines, Encoding and Decoding Strings, |
|  |  |  |  |
| 9 | 2 | 15-19/4/2018 | What Is an Array, Creating an Array, Adding Items to an Array, Accessing Array Elements, Creating Multidimensional Arrays , |
| 10 | 2 | 22-26/4/2018 | Transforming Between Strings and Arrays, Creating an Array from a Form |
|  |  |  |  |
| 11 | 2 | 29/4-3/5/2018 | Creating Templates, Using External Files, Using Constants, Working with the Date and Time, |
| 12 | 2 | 6-10/5/2018 | Handling HTML Forms with PHP, Making Forms Sticky, Sending Email, Output Buffering, Manipulating HTTP Headers |
|  |  |  |  |
| 13 | 2 | 13-17/5/2018 | Cookies and Sessions, What Are Cookies?, Creating Cookies, Reading from Cookies, Adding Parameters to a Cookie, Deleting a Cookie, What Are Sessions?, Creating a Session, Accessing Session Variables, Delating a Session |
| 14 | 2 | 20-24/5/2018 | Creating Functions, Creating and Using Simple Functions, Creating and Calling Functions That Take Arguments , Setting Default Argument Values, Creating and Using Functions That Return a Value, Understanding Variable Scope |
|  |  |  |  |
| 15 | 2 | 27-31/5/2018 | Final Exam |
| 16 | 2 | 3-7/6/2018 | Final Exam |
|  |  |  |  |
| 17 | 2 | 10-14/6/2018 |  |

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| **Course Book/Textbook:** | PHP for the Web: Visual QuickStart Guide, 5th Edition By Larry Ulman |
| **Other Course Materials/References:** | www.w3shcools. |
| **Teaching Methods (Forms of Teaching):** | Lectures, Practical Sessions, Presentation, Project |
| **COURSE EVALUATION CRITERIA**

|  |  |  |
| --- | --- | --- |
| **Method** | **Quantity** | **Percentage (%)** |
| Attendance | 1 | 5 |
| Quiz | 1 | 15 |
| Homework | 1 | 10 |
| Midterm Exam(s) | 1 | 30 |
| Final Exam | 1 | 40 |
| **Total** | **100** |
| **Examinations:**True-False, 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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