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| |  | | --- | | **ISHIK UNIVERSITY  FACULTY OF SCIENCE  Department of INFORMATION TECHNOLOGY, 2017-2018 Spring  Course Information for** **IT 404 FINAL YEAR PROJECT II** |  |  |  | | --- | --- | | **Course Name:** | FINAL YEAR PROJECT II | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Code** | **Course type** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** | | IT 404 | 2 | 8 | 3 | - | 3 |  | | | | **Name of Lecturer(s)-Academic Title:** | Bilal Ahmed - | | **Teaching Assistant:** | - | | **Course Language:** | English | | **Course Type:** | Non-area Elective | | **Office Hours** | 14:00-16:00 | | **Contact:** | Email:bilal.ahmed@ishik.edu.iq   Tel:+9647714442612 | | **Teacher's academic profile:** | BSc/Msc in Computer Engineering | | **Course Objectives:** | Via this course students will learn how to perform an academic research, how to document a research and how to present a research to a committee. Besides of conducting an academic research, via this course students will also learn how to implement the thoughts what they have learned in daily life and how to accomplish a group project where members share different tasks. | | **Course Description (Course overview):** | A study under the supervision of an advisor: Research on exploring and defining a potential study area suitable for a senior design project. Identification of a specific problem from the selected study area in IT. Results from this study are documented and presented in the form of a project proposal. | | **COURSE CONTENT**   |  |  |  |  | | --- | --- | --- | --- | | **Week** | **Hour** | **Date** | **Topic** | | **1** | 3 | 4-8/2/2018 | Setting the new meeting date and time with supervisor. | | **2** | 3 | 11-15/2/2018 | A short review of the first semester ( final year project-1 ) and sharing the commands of first semester. Tasks will be given for the development of project. | |  |  |  |  | | **3** | 3 | 18-22/2/2018 | Students will share their feedback about development of project, Supervisor will assist. | | **4** | 3 | 25/2-1/3/2018 | Students will share their feedback about development of project, Supervisor will assist. | |  |  |  |  | | **5** | 3 | 4-8/3/2018 | Students will share their feedback about development of project, Supervisor will assist. | | **6** | 3 | 25-29/3/2018 | Students will share their feedback about development of project, Supervisor will assist. | |  |  |  |  | | **7** | 3 | 1-5/4/2018 | Midterm Exam | | **8** | 3 | 8-12/4/2018 | Students will share their feedback about development of project, Supervisor will assist. | |  |  |  |  | | **9** | 3 | 15-19/4/2018 | The distributed tasks will be merged in to one complete form and perform testing about the implementation of project. | | **10** | 3 | 22-26/4/2018 | Accordingly test results, some modifications will be performed on the project. | |  |  |  |  | | **11** | 3 | 29/4-3/5/2018 | Projects will be presented at the NICE2018 competition. | | **12** | 3 | 6-10/5/2018 | Accordingly the feedback, (at NICE2018 competition) modifications will be performed. | |  |  |  |  | | **13** | 3 | 13-17/5/2018 | Debugging and user interface problems will be resolved. A group will start typing implementation chapter of the research. | | **14** | 3 | 20-24/5/2018 | A group will perform the project and collect some outputs to form discussion and conclusion chapter. Group will continue to type implementation chapter. | |  |  |  |  | | **15** | 3 | 27-31/5/2015 | Final Exam | | **16** | 3 | 3-7/6/2018 | Final Exam | |  |  |  |  | | **17** | 3 | 10-14/6/2018 |  | | | | **COURSE/STUDENT LEARNING OUTCOMES**   |  |  | | --- | --- | |  |  | | **1** | Students will be able to perform a practice for an academic research. | | **2** | Students will be able to find conclusions of performed practice. | | **3** | Students will be able to document an academic research. | | **4** | Students will be able to present a research. | | **5** | Students will be able to share the tasks in a group project. | | | | **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 | A | | **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 | A | | **5** | An ability to analyze the local and global impact of computing on individuals, organizations, and society | A | | **6** | An ability to use current techniques, skills, and tools necessary for computing practice | A | | **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 | I | | **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 | A | | **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 | I | | | | **Prerequisites (Course Reading List and References):** | Research methodology | | **Student's obligation (Special Requirements):** | Ability to perform a an academic research. | | **Course Book/Textbook:** | Experimentation in Software Engineering Authors: Wohlin, C., Runeson, P., Höst, M., Ohlsson, M.C., Regnell, B., Wesslén, A. How to write a thesis in an Experimental area of Computer Science by Doug Comer. Information Technology Research — A Practical Guide for Computer Science and Informatics Olivier | | **Other Course Materials/References:** | Guidance of supervisor | | **Teaching Methods (Forms of Teaching):** | Practical Sessions, Presentation, Self Evaluation, Project, Assignments | | **COURSE EVALUATION CRITERIA**   |  |  |  | | --- | --- | --- | | **Method** | **Quantity** | **Percentage (%)** | | Attendance | 1 | 10 | | Participation | 1 | 20 | | Project | 1 | 20 | | Presentation | 1 | 10 | | Final Exam | 1 | 40 | | **Total** | | **100** | | **Examinations:**True-False, Fill in the Blanks, Multiple Choices, Short Answers, Matching |  |  | | | | **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** | | |   **Peer review**   |  |  |  | | --- | --- | --- | | Signature: | Signature: | Signature: | | Name: | Name: | Name: | | Lecturer | Head of Department | Dean | |