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| |  | | --- | | **ISHIK UNIVERSITY  FACULTY OF SCIENCE  Department of INFORMATION TECHNOLOGY, 2017-2018 Spring  Course Information for IT 105 INTRODUCTION TO INFORMATION TECHNOLOGY I** |  |  |  | | --- | --- | | **Course Name:** | INTRODUCTION TO INFORMATION TECHNOLOGY I | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Code** | **Course type** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** | | IT 105 | 2 | 1 | 3 | - | 3 |  | | | | **Name of Lecturer(s)-Academic Title:** | Raz Dara Mohammad Amin - | | **Teaching Assistant:** | Bahren Ali | | **Course Language:** | English | | **Course Type:** | Main | | **Office Hours** | Sunday | | **Contact:** | Email:safwan.mawlud@ishik.edu.iq   Tel:07504702642 | | **Teacher's academic profile:** | Master in Computer engineering , High teaching profile . | | **Course Objectives:** | Course objectives include: • Understand the fundamentals of information technology. • Learn core concepts of computing and modern systems • Become aware of some of the ways that information technology continues to change everything • Students will Students will be expected to use Microsoft Office applications easily. | | **Course Description (Course overview):** | This course introduces Information Technology. Information technology (IT) is the application of computers and telecommunications equipment to store, retrieve, transmit and manipulate data. The goal of this course is to help students interested in an information technology career decide where their interests lie. | | **COURSE CONTENT**   |  |  |  |  | | --- | --- | --- | --- | | **Week** | **Hour** | **Date** | **Topic** | | **1** | 3 | 19-23/11/2017 | Orientation Program | | **2** | 3 | 26-30/11/2017 | Computer Basics | |  |  |  |  | | **3** | 3 | 3-7/12/2017 | Operating Systems | | **4** | 3 | 10-14/12/2017 | Introduction to Information Technology | |  |  |  |  | | **5** | 3 | 17-21/12/2017 | What and why IT and how it works | | **6** | 3 | 24-28/12/2017 | IT Jobs and Careers | |  |  |  |  | | **7** | 3 | 31/12/2017-4/1/2018 | Measuring Data (Bits And Bytes) | | **8** | 3 | 7-11/1/2018 | Measuring Data (Bits And Bytes) | |  |  |  |  | | **9** | 3 | 14-18/1/2018 | Getting to know Computer and System unit | | **10** | 3 | 21-25/1/2018 | Midterm Exam | |  |  |  |  | | **11** | 3 | 28/1-1/2/2018 | Getting to know Computer and System unit | | **12** | 3 | 4/2-8/2/2018 | Input/output Devices. Keyboard, Mouse and Touchpad | |  |  |  |  | | **13** | 3 | 11/2-15/2/2018 | Input/output Devices. Active speakers and Monitors. | | **14** | 3 | 18/2-22/2/2018 | Input/output Devices. Printers and Scanners | |  |  |  |  | | **15** | 3 | 25/2-1/3/2018 | Input/output Devices. Game Console | | **16** | 3 | 4-8/3/2018 | Final Exam | |  |  |  |  | | | | **COURSE/STUDENT LEARNING OUTCOMES**   |  |  | | --- | --- | |  |  | | **1** | Describe and explain computer hardware/ software topics for information technologies, system and processing concepts. | | **2** | Understand computer and technology related issues. | | **3** | Be able to use and apply current technical concepts and practices in the core information technologies | | **4** | Be able to effectively integrate IT‐based solutions into the user environment | | **5** | Understand best practices and standards and their application and be able to use current techniques, skills, and tools necessary for computing practice | | | | **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 |  | | **5** | An ability to analyze the local and global impact of computing on individuals, organizations, and society | I | | **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 |  | | **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):** | Knowledge of English Language | | **Student's obligation (Special Requirements):** | 1- Attendance is an essential requirement for all students. 2- Students take full responsibility for being their absence without granted by the department or university. 3- comply with all university requirements and procedures. | | **Course Book/Textbook:** | Introduction To Computers By Peter Norton 6E (C.B) | | **Other Course Materials/References:** | Any introduction To IT books are acceptable, or materials from internet about IT | | **Teaching Methods (Forms of Teaching):** | Lectures, Presentation, Assignments | | **COURSE EVALUATION CRITERIA**   |  |  |  | | --- | --- | --- | | **Method** | **Quantity** | **Percentage (%)** | | Participation | 1 | 5 | | Quiz | 2 | 10 | | Homework | 2 | 5 | | Midterm Exam(s) | 1 | 25 | | Final Exam | 1 | 40 | | **Total** | | **100** | | **Examinations:**Essay Questions, 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 | |