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| ISHIK UNIVERSITY FACULTY OF SCIENCE Department of INFORMATION TECHNOLOGY,2017-2018 Spring Course Information for IT 106 INTRODUCTION TO INFORMATION TECHNOLOGY II |

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| **Course Name:** | INTRODUCTION TO INFORMATION TECHNOLOGY II |
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| **Code** | **Course type** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** |
| IT 106 | 2 | 2 | 3 | - | 3 |  |

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| **Name of Lecturer(s)-Academic Title:** | Savriddin Halil - MSc |
| **Teaching Assistant:** | None |
| **Course Language:** | English |
| **Course Type:** | Main |
| **Office Hours** | 3 hours peer week (2:00 PM - 5:00 PM Thursdays) |
| **Contact:** | Email:savriddin.halil@ishik.edu.iq Tel:-  |
| **Teacher's academic profile:** | BSc Degree in Software Engineering. MSc Degree in Software Engineering. IT Department Head.  |
| **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 is an overview of concepts in personal computer system fundamentals as well as system and productivity system. It leads students to recognize the need for continuing professional development and imparts an understanding of professional, ethical, legal, security and social issues, and responsibilities in information technology. It also provides an introduction to software programs you will use in later courses and in your career. |
| **COURSE CONTENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topic** |
| **1** | 3 | 25-29/3/2018 | Keyboard and mouse & Computer security I |
| **2** | 3 | 1-5/4/2018 | Computer security II |
|  |  |  |  |
| **3** | 3 | 8-12/4/2018 | Biometrics, & Big Data I |
| **4** | 3 | 15-19/4/2018 | Big Data II |
|  |  |  |  |
| **5** | 3 | 22-26/4/2018 | Programming and development part 1 |
| **6** | 3 | 29/4-3/5/2018 | Midterm Exam |
|  |  |  |  |
| **7** | 3 | 6-10/5/2018 | programming and development part 2 |
| **8** | 3 | 13-17/5/2018 | Internet and the web part 1 |
|  |  |  |  |
| **9** | 3 | 20-24/5/2018 | Internet and the web part 2 - |
| **10** | 3 | 27-31/5/2018 | review |
|  |  |  |  |
| **11** | 3 | 3-7/6/2018 | Final Exam |
| **12** | 3 | 10-14/6/2018 | Final Exam |
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| **COURSE/STUDENT LEARNING OUTCOMES**

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| --- | --- |
|  |  |
| **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 |

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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 | I |
| **3** | An ability to function effectively on teams to accomplish a common goal | I |
| **4** | An understanding of professional, ethical, legal, security, social, and economic issues and responsibilities | I |
| **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 | I |
| **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 | I |
| **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 | I |
| **10** | An ability apply problem solving skills, core IT concepts, best practices and standards to information technologies | I |
| **11** | An ability to identify and evaluate organizational requirements and current and emerging technologies | I |
| **12** | An ability to select, design, integrate and administer IT-based solutions into the organizational environment | I |

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| **Prerequisites (Course Reading List and References):** | At least knowing medium level 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-6th edition. \*Computing Essential 2017 (COMPUTING ESSENTIALS 2017. Published by McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121) |
| **Other Course Materials/References:** | Any material related to Information Technology,books, PDF, Video, Tutorials. |
| **Teaching Methods (Forms of Teaching):** | Lectures, Presentation, Seminar, Project, Assignments |
| **COURSE EVALUATION CRITERIA**

|  |  |  |
| --- | --- | --- |
| **Method** | **Quantity** | **Percentage (%)** |
| Participation | 1 | 5 |
| Quiz | 2 | 5 |
| Project | 1 | 15 |
| Midterm Exam(s) | 1 | 25 |
| Presentation | 1 | 5 |
| Final Exam | 1 | 40 |
| **Total** | **100** |
| **Examinations:**Essay Questions, True-False, Fill in the Blanks, Multiple Choices, Short Answers |  |  |

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| **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) | 12 | 36 | 432 |
| Hours for off-the-classroom study (Pre-study, practice) |  |  | 0 |
| Assignments Mid-terms | 1 | 1 | 1 |
| Final examination | 1 | 2 | 2 |
| Other |  |  | 0 |
| **Total Workload** | **435** |
| **ECTS Credit (Total workload/25)** | **17.4** |

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**Peer review**

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

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