**Course Description Form**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Course Name: | | | | | | | | |
| Information Technology | | | | | | | | |
| 1. Course Code: | | | | | | | | |
| WBM-21-04 | | | | | | | | |
| 1. Semester / Year: | | | | | | | | |
| Semester | | | | | | | | |
| 1. Description Preparation Date: | | | | | | | | |
| 2024-03-19 | | | | | | | | |
| 1. Available Attendance Forms: | | | | | | | | |
| presence in the classroom | | | | | | | | |
| 1. Number of Credit Hours (Total) / Number of Units (Total) | | | | | | | | |
| 60 Hours / 2 Units | | | | | | | | |
| 1. Course administrator's name (mention all, if more than one name) | | | | | | | | |
| Name: Hussein Zeki Jasim  Email: hussein@uowa.edu.iq | | | | | | | | |
| 1. Course Objectives | | | | | | | | |
| **Course Objectives** | | | | * **Preparing students to be technically literate.** * **Introducing the student to the latest technological advancements in the field of medical devices.** * **Introducing the student to the latest technological advancements in general.** * **Equipping the student with the necessary technical skills to become an engineer.** | | | | |
| 1. Teaching and Learning Strategies | | | | | | | | |
| **Strategy** | | 1- Understanding the concept of information technology.  2- Distinguishing between the hardware and software components of a computer.  3- Discriminating between different types of computer software.  4- Familiarizing oneself with computer networks (types, benefits, forms).  5- Recognizing the most important technologies used in networks and the internet.  6- Learning the basics of programming languages.  B - Specific Skills Objectives for the Course  1- Analyzing problems that may arise during work and employing technology to solve them.  2- Ability to use the most common technical applications currently available. | | | | | | |
| 1. Course Structure | | | | | | | | |
| **Week** | **Hours** | | **Required Learning Outcomes** | | **Unit or subject name** | | **Learning method** | **Evaluation method** |
| 1 | 1 | | Introduction to Information technology | | Introduction to Information technology | | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 2 | 1 | | the size and type of computers | | the size and type of computers | | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 3 | 1 | | Where IT is headed | | Where IT is headed | | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 4 | 1 | | How computer works | | How computer works | | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 5 | 1 | | The basic operations of computers | | The basic operations of computers | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 6 | 1 | | The CPU and Memory | | The CPU and Memory | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 7 | 1 | | System software | | System software | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 8 | 1 | | Application software | | Application software | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 9 | 1 | | The Numbering System | | The Numbering System | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 10 | 1 | | Telecommunications and networking | | Telecommunications and networking | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 11 | 1 | | Computer networks | | Computer networks | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 12 | 1 | | Network and Internet | | Network and Internet | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 13 | 1 | | searching the web and email | | searching the web and email | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 14 | 1 | | Programming Languages | | Programming Languages | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 15 | 1 | | Information Security | | Information Security | | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 1. Course Evaluation | | | | | | | | |
|  Daily exams with practical and scientific questions. ‏   Participation scores for difficult competition questions among students   Establishing grades for environmental duties and the reports assigned to them   Semester exams for the curriculum, in addition to the mid-year exam and final exam | | | | | | | | |
| 1. Learning and Teaching Resources | | | | | | | | |
| Required textbooks (curricular books, if any) | | | | | | Brian K. Williams\_ Stacey C. Sawyer - Using information technology \_ a practical introduction to computers \_ communications | | |
| Main references (sources) | | | | | | Information Technology An Introduction for Today’s Digital World  Brian K. Williams\_ Stacey C. Sawyer - Using information technology \_ a practical introduction to computers \_ communications | | |
| Recommended books and references (scientific journals, reports...) | | | | | | Information Technology An Introduction for Today’s Digital World | | |