**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 JasimEmail: 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 Course1- 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 WorldBrian 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 |