**Ministry of Higher Education and Scientific Research**

**Supervision and Scientific Evaluation Body**

**Quality Assurance and Academic Accreditation Office**

**Course Description Sample**

**Subject: Object oriented programming I**

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| This course description provides a concise summary of the main features of the course and the learning outcomes expected of the student, demonstrating whether the student has made the most of the learning opportunities available. It must be linked to the programme description. |

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| 1. Educational Institution | Shatt Al Arab University |
| 2. Department / Center | Computer Science |
| 3. Course Title /Code | Object oriented programming I |
| 4. Lecturer Name | **Assistant Lecturer Hussein Mazin Mohammed** |
| 5. Type of Teaching | Theory – Lab – Tutorial |
| 6. Academic Year /Term | 2024/2025 |
| 7. Total No. of Teaching Hours | 98 |
| 8. Date f Preparing this Course Description |  |

9. **Course Objectives**

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| By the end of this course, the student will be able to:  1. Explain the basic concepts of simple to intermediate-level website development.  2. Use standard web page languages (such as HTML and CSS) to create a simple website.  3. Design interactive web pages using appropriate web editors.  4. Identify the basic programming languages used in web development and their features.  5. Apply object-oriented programming concepts using Java, including:  Design and implement objects and classes, apply the concepts of construction and destructuring, employ the concepts of encapsulation and inheritance, and analyze and use the concept of polymorphism in programming. |

10. **Course Output, Methodology and Evaluation**

(A) **Cognitive Objectives**

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| By the end of this course, the student will be able to:  1. Explain the basic concepts of simple to intermediate-level website development.  2. Use standard web page languages (such as HTML and CSS) to create a simple website.  3. Design interactive web pages using appropriate web editors.  4. Identify the basic programming languages used in web development and their features.  5. Apply object-oriented programming concepts using Java, including:  Design and implement objects and classes, apply the concepts of construction and destructuring, employ the concepts of encapsulation and inheritance, and analyze and use the concept of polymorphism in programming. |

(B) **Skill Objectives Related to the Program**:

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**Methods of Teaching and Learning**

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| 1-Lecturers.  2-Class discussion.  3-Lab Experiments.  4-Researchs.  5-Homework. |

**Methods of Evaluation**

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| **Number calendar element degree**  1-Examinations.  2-Lab Experiments.  3-Quizz.  4-Oral Exam.  5-Researchs. |

(C) **Sentimental and Value Objectives**

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**Methods of Teaching and Learning**

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**Methods of Evaluation**

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D) **General and Qualitative Skills (other skills related to the ability of employment and personal development)**

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11. **Course Structure**

**(In the table of course weekly outline)**

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| **Week** | **No of Hours** | **Required Learning Output** | **Title of Subject** | **Teaching Method** | **Evaluation** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |

12.**Infrastructure**

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| --- | --- |
| a. Textbooks | Thomas Wu (2010). An Introduction to Object-Oriented Programming with Java. Fifth Edition. McGraw-Hill. |
| b. References | Herbert Schildt (2007). Java: The Complete Reference. Seventh Edition. McGraw-Hill. |
| c. Recommended books and periodicals (journals, reports, etc.) |  |
| d. Electronic references, internet websites, etc | The Collage E-Library |

13. **The Plan of Improving the Course**

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| 1. Add advanced skills  2. Link new skills to the overall knowledge objectives of the department |