MODULE DESCRIPTION FORM

الدراسية

المادة

وصف

نموذج

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| **Module Information**  معلومات المادة الدراسية | | | | | | | |
| **Module Title** | **Introduction to Information System** | | | | **Module Delivery** | | |
| **Module Type** | **Core** | | | | ☒ **Theory**  ☒ **Lecture**  ☒ **Lab**   * **Tutorial** * **Practical** * **Seminar** | | |
| **Module Code** | **CSTE1102** | | | |
| **ECTS Credits** | **6** | | | |
| **SWL (hr/sem)** | **150** | | | |
| **Module Level** | | 1 | **Semester of Delivery** | | | | 1 |
| **Administering Department** | | CSTE | **College** | Al-Hikma | | | |
| **Module Leader** | Dr. Ahmed Hussein Ali | | **e-mail** | [Ahmed.hussein@hiuc.edu.iq](mailto:Ahmed.hussein@hiuc.edu.iq) | | | |
| **Module Leader’s Acad. Title** | | lecturer | **Module Leader’s Qualification** | | | | Dr |
| **Module Tutor** | Prof. Zaki Saeed Tawfik | | **e-mail** | [Zeki.saeed@hiuc.edu.iq](mailto:Zeki.saeed@hiuc.edu.iq) | | | |
| **Peer Reviewer Name** | | Prof. Zaki Saeed Tawfik | **e-mail** | [Zeki.saeed@hiuc.edu.iq](mailto:Zeki.saeed@hiuc.edu.iq) | | | |
| **Scientific Committee Approval Date** | | 18/11/2023 | **Version Number** | | | 1.0 | |

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| **Relation with other Modules**  العالقة مع المواد الدراسية األخرى | | | |
| **Prerequisite module** | None | **Semester** |  |
| **Co-requisites module** | None | **Semester** |  |

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| **Module Aims, Learning Outcomes and Indicative Contents**  أهداف المادة الدراسية ونتائج التعلم والمحتويات اإلرشادية | |
| **Module Aims**  أهداف المادة الدراسية | The purpose of this course is to provide computer literacy to the student. The course prepares the student for a successful working relationship with computerized systems. It will present to him/her what the computer is, what it can and cannot do, how it operates, how it is programmed, how it is used as a tool in decision-making, and the social implementations of computer usage.  Students should be acquainted with handling and managing data and information in business organizations. They should also understand the meaning of “Information Systems and technology and their effects on organizations, the different business information systems, and the development life cycle. Students must learn about Computer Hardware and Software and various types of computer networks. Students should know how to deal with e-commerce. |
| **Module Learning Outcomes**  مخرجات التعلم للمادة الدراسية | As a result of taking this course, the student should be able to:   1. Know and understand various principles and fundamentals of Information Systems and Information Technology. 2. Analyze the types and functions of computers and the components of a computer system. 3. Define and categorize application and system software and use general-purpose application packages. 4. List the various network communication technologies and network components. 5. Understand the basics of network security. 6. Explain the Internet, Intranets, and Extranets systems. 7. Understand the basic concepts of database systems and data warehousing. 8. Explain the importance of E-Commerce. 9. Understand the GIS and MIS systems. 10. Describe the system and program development lifecycles. 11. Demonstrate data privacy and security. |
| **Indicative Contents**  المحتويات اإلرشادية | Indicative content includes the following.  The Information Age in Which You Live (Types of Information systems, Competitive advantages)  Computer Hardware (Input devices, Output devices, Storage devices, Categories of computers)  Computer Software (System software, Application software)  Network components, Network classification, Network communications |

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|  | media,  Network security, The client/server software model  Database and Data Warehouse (The relational database model, database management system tools, data warehouse, and data mining)  E-commerce business models, understand your business & products & services & customers and move money easily and securely.  Management Information and Decision Support Systems (MIS, DSS: definitions, inputs, and outputs)  System development life cycle, Component-based development, End-user development, prototyping  Protecting People and Information (Ethics, Privacy, Security) |

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| **Learning and Teaching Strategies**  استراتيجيات التعلم والتعليم | |
| **Strategies** | Type something like: The main strategy that will be adopted in delivering this module is to encourage student’s participation in the exercises while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials, and by considering the type of simple experiments involving some interesting sampling activities for the students. |

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| **Student Workload (SWL)**  الحمل الدراسي للطالب | | | |
| **Structured SWL (h/sem)**  الحمل الدراسي المنتظم للطالب خالل الفصل | 79 | **Structured SWL (h/w)**  الحمل الدراسي المنتظم للطالب أسبوعيا | 5 |
| **Unstructured SWL (h/sem)**  الحمل الدراسي غير المنتظم للطالب خالل الفصل | 71 | **Unstructured SWL (h/w)**  الحمل الدراسي غير المنتظم للطالب أسبوعيا | 5 |
| **Total SWL (h/sem)**  الحمل الدراسي الكلي للطالب خالل الفصل | 150 | | |

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| **Module Evaluation**  تقييم المادة الدراسية | | | | | |
|  | | **Time/Nu**  **mber** | **Weight (Marks)** | **Week Due** | **Relevant Learning**  **Outcome** |
| **Formative assessment** | **Quizzes** | 2 | 10% (10) | 5, 10 | LO #1, 2, 3, 7, 8 and 9 |
| **Assignments** | 2 | 10% (10) | 2, 12 | LO # 4, 5, and 7 |
| **Projects / Lab.** | 5 | 15% (15) | Continuous |  |
| **Report** | 1 | 5% (5) | 13 | LO # 8, 9 and 10 |
| **Summative**  **assessment** | **Midterm Exam** | 2hr | 10% (10) | 7 | LO # 1-6 |
| **Final Exam** | 4hr | 50% (40 + 10) | 16 | All |
| **Total assessment** | | | 100% (100 Marks) |  |  |

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| **Delivery Plan (Weekly Syllabus)**  المنهاج االسبوعي النظري | |
|  | **Material Covered** |
| **Week 1** | Information Systems: An Overview |
| **Week 2** | Computer Hardware |
| **Week 3** | Computer Software |
| **Week 4** | Network Basics |
| **Week 5** | Network Security |
| **Week 6** | Internet, Intranet, and Extranet |
| **Week 7** | Mid Term Exam + Database Systems |
| **Week 8** | Data Warehousing |
| **Week 9** | E-Commerce |
| **Week 10** | Global Information Systems |
| **Week 11** | Management Information System |
| **Week 12** | System Development Life Cycle |
| **Week 13** | Data privacy, security, and Ethics |
| **Week 14** | Emerging Trends, Technologies, Applications |
| **Week 15** | Preparing for final exam |

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| **Delivery Plan (Weekly Lab. Syllabus)**  المنهاج االسبوعي للمختبر | |
|  | **Material Covered** |
| **Week 1** | Lab 1: Computer Hardware Components |
| **Week 2** | Lab 2: Microsoft Windows |
| **Week 3** | Lab 3: Internet, Web, Email |
| **Week 4** | Lab 4: Computer Network Components |
| **Week 5** | Lab 5: Microsoft Word |
| **Week 6** | Lab 6: Microsoft PowerPoint |
| **Week 7** | Lab 7: Microsoft Excel |

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| **Learning and Teaching Resources**  مصادر التعلم والتدريس | | |
|  | **Text** | **Available in the**  **Library?** |
| **Required Texts** | Shelly B. Gary, Vermaat E. Misty. Discovering Computers:  Fundamentals. Shelly Cashman Series, Course Technology, latest edition. | No |
| **Recommended Texts** | Using Information Technology 10th Edition. 2013, by  Brian K. Williams & Stacey C. Sawyer, McGraw-Hill | No |
| **Websites** | Cisco Networking Academy, Get Connected Course, Computer Hardware Basics,  Computer Software basics | |

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| **Grading Scheme**  مخطط الدرجات | | | | |
| **Group** | **Grade** | التقدير | **Marks (%)** | **Definition** |
| **Success Group (50 - 100)** | **A -** Excellent | امتياز | 90 - 100 | Outstanding Performance |
| **B -** Very Good | جيد جدا | 80 - 89 | Above average with some errors |
| **C -** Good | جيد | 70 - 79 | Sound work with notable errors |
| **D -** Satisfactory | متوسط | 60 - 69 | Fair but with major shortcomings |
| **E -** Sufficient | مقبول | 50 - 59 | Work meets minimum criteria |
| **Fail Group (0 – 49)** | **FX –** Fail | راسب (قيد المعالجة) | (45-49) | More work required but credit  awarded |
| **F –** Fail | راسب | (0-44) | Considerable amount of work  required |
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| **Note:** Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the  automatic rounding outlined above. | | | | |