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| --- | --- | --- |
| Institution : | College of Sciences and Humanities in Ghat | |
| Academic Department : | Business Administration | |
| Programme : | Management Information System | |
| Course : | System Analysis and Design. | |
| Course Coordinator : | D. Walid Qassim Qwaider | |
| Programme Coordinator : | D. Walid Qassim Qwaider | |
| Course Specification Approved Date : | | 4/ 1 / 1436 H |

**A. Course Identification and General Information**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. 1 - Course title : | System Analysis and Design. | | | | | | Course Code: | | | | 313 MIS | |
| 2. Credit hours : | | **(**3 ) | | | | | | | | | | |
| 3 - Program(s) in which the course is offered: | | | | | | | | MIS | | | | |
| 4 – Course Language : | | | English | | | | | | | | | |
| 1. 5 - Name of faculty member responsible for the course: | | | | | | | | | D. Walid Qassim Qwaider | | | |
| 1. 6 - Level/year at which this course is offered : | | | | | | | | Year(3) | | | | |
| 7 - Pre-requisites for this course (if any) :  Management Information System (201 MIS). | | | | | | | | | | | | |
| 8 - Co-requisites for this course (if any) : | | | | | | | | | | | | |
| 9 - Location if not on main campus**:**  **( )** | | | | | | | | | | | | |
| 10 - Mode of Instruction (mark all that apply) | | | | | | | | | | | | |
| A - Traditional classroom | | | | **/** |  | What percentage? | | | | **100 %** | |  |
| B - Blended (traditional and online) | | | |  |  | What percentage? | | | | **……. %** | |  |
| D - e-learning | | | |  |  | What percentage? | | | | **……. %** | |  |
| E - Correspondence | | | |  |  | What percentage? | | | | **……. %** | |  |
| F - Other | | | |  |  | What percentage? | | | | **……. %** | |  |
| Comments :  ........................................................................................................... | | | | | | | | | | | | |

**B Objectives**

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| **What is the main purpose for this course?**  Knowledge of the role of systems and Cefath- life cycle analyst Alniz- feasibility study of the system and then analyze the systems and methods of collection requirements Almalomat- process design input and output, and database design and interface Almstkhaddmin- roads and relations in the development of Alniz- phases of systems development - assessment and selection systems - practical situations in systems development . |
| Briefly describe any plans for developing and improving the course that are being implemented :  -Courses are periodically reviewed by the department in the college to make sure to keep pace of developments in the specialty in terms of modernity and its responsiveness to the labor market.  - The use of modern references.  - A review of the requirements of the labor market.  - Compatibility with what they offer similar educational institutions in the same specialty.  - Observer of scientific conferences and specialized workshops. |

**C. Course Description**

**1. Topics to be Covered**

|  |  |  |
| --- | --- | --- |
| **List of Topics** | **No. of**  **Weeks** | **Contact Hours** |
| **Essentials Systems Analysis and Design** | **1** | 3 |
| **System Development Environment** | **2** | 3 |
| **Foundations for systems development** | **3** | 3 |
| **System planning and selection** | **4** | 3 |
| **Systems analysis** | **5** | 3 |
| **Determining system requirements** | **6** | 3 |
| **Process Modeling** | **7** | 3 |
| **Structuring system requirements** | **8** | 3 |
| **Conceptual data modeling** | **9** | 3 |
| **Systems design** | **10** | 3 |
| **Designing the human interface** | **11** | 3 |
| **Designing Database** | **12** | 3 |
| **Systems implementation and operations** | **13** | 3 |
| **Case study** | **14** | 3 |
| **Review** | **15** | 3 |

**2. Course components (total contact hours and credits per semester):**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Lecture | Tutorial | Laboratory | Practical | Other: | Total |
| **Contact**  **Hours** | **45** | **............** | **............** | **............** | **............** | 45 |
| **Credit** | **............** | **............** | **............** | **............** | **............** | 45 |

|  |  |
| --- | --- |
| **3. Additional private study/learning hours expected for students per week.** | 45 |

**4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy**

|  | **NQF Learning Domains**  **And Course Learning Outcomes** | **Course Teaching**  **Strategies** | **Course Assessment**  **Methods** |
| --- | --- | --- | --- |
| **1.0** | **Knowledge** | | |
| **1.1** | Get knowledge and scientific facts and concepts in the field of decision support systems. | way dialogue and discussion method. | tests short-Questions-verbal Activities |
| **1.2** | Students definition phases Decision support systems | presentation and lecture method | .................. |
| **1.3** | **.....................................................................** | .................. | .................. |
| **1.4** | **.....................................................................** | .................. | .................. |
| **1.5** | **.....................................................................** | .................. | .................. |
| **1.6** | **.....................................................................** | .................. | .................. |
| **2.0** | **Cognitive Skills** | | |
| **2.1** | Strengthen the desire towards dealing with the computer and its applications, particularly in support of the administrative decision. | The method of solving problems. | Action Research for decision support in administrative organizations and their relationship to modern concepts of information systems |
| **2.2** | Assess the organizations web sites. | The method of research and exploration. |
| **2.3** | **.....................................................................** | The method of teaching peers. |
| **2.4** | **.....................................................................** | cooperative learning |
| **2.5** | **.....................................................................** | .................. | .................. |
| **2.6** | **.....................................................................** | .................. | .................. |
| **3.0** | **Interpersonal Skills & Responsibility** | | |
| **3.1** | Link the concepts of System Analysis and Design efficiently manage information Systems. | Collaborative learning | Collective work and project teams |
| **3.2** | **.....................................................................** | .................. | .................. |
| **3.3** | **.....................................................................** | .................. | .................. |
| **3.4** | **.....................................................................** | .................. | .................. |
| **3.5** | **.....................................................................** | .................. | .................. |
| **3.6** | **.....................................................................** | .................. | .................. |
| **4.0** | **Communication, Information Technology, Numerical** | | |
| **4.1** | Communicating and working teams, problem solving and creative thinking. | Way to solve problems. | Teamwork and evaluation kits. |
| **4.2** | **.....................................................................** | .................. | .................. |
| **4.3** | **.....................................................................** | .................. | .................. |
| **4.4** | **.....................................................................** | .................. | .................. |
| **4.5** | **.....................................................................** | .................. | .................. |
| **4.6** | **.....................................................................** | .................. | .................. |
| **5.0** | **Psychomotor** | | |
| **5.1** | **.....................................................................** | .................. | .................. |
| **5.2** | **.....................................................................** | .................. | .................. |
| **5.3** | **.....................................................................** | .................. | .................. |
| **5.4** | **.....................................................................** | .................. | .................. |
| **5.5** | **.....................................................................** | .................. | .................. |
| **5.6** | **.....................................................................** | .................. | .................. |

**5. Schedule of Assessment Tasks for Students During the Semester:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Assessment task** | **Week Due** | **Proportion**  **of Total Assessment** |
| **1** | Summarize and display the first four topics . | 5 | **5** |
| **2** | The first half of the chapter test . | 8 | **20** |
| **3** | Summarize and put questions and answer them to the topics scheduled . | 12 | **5** |
| **4** | The second half of the chapter test . | 14 | **20** |
| **5** | Total business semester . | ................ | **50** |
| **6** | The ultimate test. | ................ | **50** |

**D. Student Academic Counseling and Support**

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| --- |
| 3 hours per week. |

**E. Learning Resources**

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| **1.List Required Textbooks :**  **Essentials Systems Analysis and Design. Josef S. Valacich & Joey F. George.** |
| **2. List Essential References Materials :**  **Kendall & Kendall, System analysis and design, 6th edition, International Edition.** |
| **3. List Recommended Textbooks and Reference Material :**   * **.............................................................** * **.............................................................** * **............................................................** |
| **4. List Electronic Materials :**  Display device (Data show)- computers-blackboard - Offers Power Point |
| **5. Other learning material :**   * **.............................................................** * **.............................................................** * **............................................................** |

**F. Facilities Required**

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| **1. Accommodation**   * Hall * **............................................................** |
| **2. Computing resources**   * **.............................................................** * **.............................................................** * **............................................................** |
| **3.Otherresources**   * **.............................................................** * **.............................................................** * **............................................................** |

**G Course Evaluation and Improvement Processes**

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| **1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:**  Tests and ask questions. |
| **2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :**  Short questions during lecture. |
| **3 Processes for Improvement of Teaching :**  Summaries of work and displayed by the students . |
| **4. Processes for Verifying Standards of Student Achievement**  During the final test . |
| **5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :**  Questionnaires to assess scheduled in different periods . |

**Course Specification Approved**

**Department Official Meeting No ( ….. ) Date … / …. / ….. *H***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course’s Coordinator** | |  | **Department Head** | |
| ***Name :*** | D. Walid Qwalder |  | ***Name :*** | D. Walid Qwalder |
| ***Signature :*** | ........................... |  | ***Signature :*** | .......................... |
| ***Date :*** | 4/ 1 / 1436 *H* |  | ***Date :*** | 4/ 1 / 1436 *H* |