**COURSE SPECIFICATION**

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| This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programe specification. |

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| University of Baghdad | 1. Teaching Institution |
| College of Science / Computer Dep. | 2. University Department/Centre |
| Software Development Tools | 3. Course title/code |
| Star UML Ver 3.1.0, MS-Visio 2016 | 4. Programme(s) to which it contributes |
| Lab | 5. Modes of Attendance offered |
| Second / 2019 | 6. Semester/Year |
| 2 | 7. Number of hours tuition (total) |
| 2019 | 8. Date of production/revision of this specification |
| 9. Aims of the Course | |
| To make students understand how can model a system and built it with market need requirements and what are the basic diagrams for programmers , analysis and end user are used to translate their ideas among them. | |
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| 10· Learning Outcomes, Teaching ,Learning and Assessment Methode |
| 1. Knowledge and Understanding   A1.  A2.  A3.  A4.  A5.  A6 . |
| B. Subject-specific skills  B1.  B2.  B3. |
| Teaching and Learning Methods |
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| Assessment methods |
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| C. Thinking Skills  C1.  C2.  C3.  C4. |
| Teaching and Learning Methods |
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| Assessment methods |
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| D. General and Transferable Skills (other skills relevant to employability and personal development)  D1.  D2.  D3.  D4. |

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| 11. Course Structure | | | | | |
| Assessment Method | Teaching  Method | Unit/Module or Topic Title | ILOs | Hours | Week |
|  |  | Introduction to Software requirements |  | 2 | 1 |
|  |  | System modelling and analysis |  | 2 | 2 |
|  |  | System Design  Software Development |  | 2 | 3 |
|  |  | Unified Modelling Language |  | 2 | 4 |
|  |  | Case Diagram – part1 |  | 2 | 5 |
|  |  | Case Diagram – part2 |  | 2 | 6 |
|  |  | Activity Diagram – P1 |  | 2 | 7 |
|  |  | Activity Diagram – P2 |  | 2 | 8 |
|  |  | Mid Exam |  | 2 | 9 |
|  |  | Introduction to OOP |  | 2 | 10 |
|  |  | Class Diagram – p1 |  | 2 | 11 |
|  |  | Class Diagram – p2 |  | 2 | 12 |
|  |  | [State diagrams](http://edn.embarcadero.com/article/31863#sequence-diagrams) – P1 |  | 2 | 13 |
|  |  | [State diagrams](http://edn.embarcadero.com/article/31863#sequence-diagrams) – P1 |  | 2 | 14 |
|  |  | Final Exam |  | 2 | 15 |

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| 12. Infrastructure | |
|  | Required reading:  · CORE TEXTS  · COURSE MATERIALS  · OTHER |
|  | Special requirements (include for example workshops, periodicals, IT software, websites) |
|  | Community-based facilities  (include for example, guest  Lectures , internship , field studies) |

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| 13. Admissions | |
|  | Pre-requisites |
|  | Minimum number of students |
|  | Maximum number of students |