**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 programme specification.  |

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| University of Baghdad | 1. Teaching Institution |
| College of Engineering/ Electronics and Communications Department | 2. University Department/Centre |
| Computer language program/ 104 ECCP | 3. Course title/code |
| Programming II | 4. Programme(s) to which it contributes |
| In class face-to-face mode | 5. Modes of Attendance offered |
| 1st-2nd / 2015-2016 | 6. Semester/Year |
| 4 hrs per week/ 120 hrs total | 7. Number of hours tuition (total) |
| 3/3/2016 | 8. Date of production/revision of this specification  |
| 9. Aims of the Course |
| Provide the student with information of a computer and computer language program . |
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| 10· Learning Outcomes, Teaching ,Learning and Assessment Methode  |
| 1. Knowledge and Understanding

A1. Basic Concepts of computer programA2.A3.A4.A5. A6 .  |
|  B. Subject-specific skillsB1. Programming written in high level languageB2. B3. |
|  Teaching and Learning Methods |
| 1- Lectures.2- Tutorials.3- Homework and Assignments.4- Tests and Exams.5- In-Class Questions and Discussions. |
|  Assessment methods  |
| 1. Quizzes: 10%
2. 1st term exam: 10%
3. 2nd term exam: 10%
4. Lab exam 30%
5. Final exam: 40%
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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 |  TeachingMethod | Unit/Module or Topic Title | ILOs | Hours | Week |
| Quiz/Exam | Lectures and lab | Computers/units, components |  | 4 | 1 |
| Quiz/Exam |  | Language levels/low level, high level |  | 4 | 2 |
| Quiz/Exam | Lectures and lab | Algorithm  |  | 4 | 3 |
| Quiz/Exam |  | Flow chart  |  | 4 | 4 |
| Quiz/Exam | Lectures and lab | Basic language/ constants, variables ,operations |  | 4 | 5 |
| Quiz/Exam | Lectures and lab | Input statementRead/data statementInput statement |  | 4 | 6 |
| Quiz/Exam | Lectures and lab | Output statementPrint statement |  | 4 | 7 |
| Quiz/Exam | Lectures and lab | Unconditional statementGoto statement |  | 4 | 8 |
| Quiz/Exam | Lectures and lab | Conational statement/ on-goto statement  |  | 4 | 9 |
| Quiz/Exam | Lectures and lab | If- then statementIf – then- else statement |  | 4 | 10 |
| Quiz/Exam | Lectures and lab | Loop statementFor- next statement |  | 4 | 11 |
| Quiz/Exam | Lectures and lab | Subroutine statementGosub- return statement |  | 4 | 12 |
| Quiz/Exam | Lectures and lab | Subscripted variables |  | 4 | 13 |
| Quiz/Exam | Lectures and lab | array |  | 4 | 14 |
| Quiz/Exam | Lectures and lab | matrix |  | 4 | 15 |
| Quiz/Exam | Lectures and lab | Dimensional statement |  | 4 | 16 |
| Quiz/Exam | Lectures and lab | Visual basicIntroductionWorking with visual basic window |  | 4 | 17 |
| Quiz/Exam | Lectures and lab | Project windowProperty windowForm layout window |  | 4 | 18 |
| Quiz/Exam | Lectures and lab | Tool box |  | 4 | 19 |
| Quiz/Exam | Lectures and lab | Form windowProperty, event, mathod |  | 4 | 20 |
| Quiz/Exam | Lectures and lab | Command buttonText boxLabel controls |  | 4 | 21 |
| Quiz/Exam | Lectures and lab | Option buttonCheck boxFrame controls |  | 4 | 22 |
| Quiz/Exam | Lectures and lab | List boxCombo box Timer controls |  | 4 | 23 |
| Quiz/Exam | Lectures and lab | Scroll bar controls |  | 4 | 24 |
| Quiz/Exam | Lectures and lab | Drivelistbox, dirlistbox, filelsitbox controls |  | 4 | 25 |
| Quiz/Exam | Lectures and lab | Picture box, image shape, line controls |  | 4 | 26 |
| Quiz/Exam | Lectures and lab | Data typeConstant, variable |  | 4 | 27 |
| Quiz/Exam | Lectures and lab | Level of data definition  |  | 4 | 28 |
| Quiz/Exam | Lectures and lab | Select case statementConditional loop statement |  | 4 | 29 |
| Quiz/Exam | Lectures and lab | Do- wile statement  |  | 4 | 30 |
| Quiz/Exam | Lectures and lab | Call statement |  | 4 | 31 |
| Quiz/Exam | Lectures and lab | array |  | 4 | 32 |

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| 12. Infrastructure |
|  | Required reading:· CORE TEXTS· COURSE MATERIALS· OTHER |
| None | Special requirements (include for example workshops, periodicals, IT software, websites) |
| None | Community-based facilities(include for example, guestLectures , internship , field studies) |

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| 13. Admissions |
| According to ministry requirements | Pre-requisites |
| 10 | Minimum number of students |
| 50 | Maximum number of students |