Republic of Iraq

Ministry of Higher Education & Scientific Research

Supervision and Scientific Evaluation Directorate

Quality Assurance and Academic Accreditation

International Accreditation Dept.

Academic Program Specification Form For The Academic Year 2017-2018

Universitiy: Baghdad

College : Engineering

Number Of Departments In The College :

Date Of Form Completion : April – 25 / 2017

Dean ’s Name

Date : / 4 / 2017

Signature

Dean ’s Assistant For Scientific Affairs

Date : / / 2017

Signature

The College Quality Assurance And University Performance Manager

Date : / / 2017

Signature

Quality Assurance And University Performance Manager

Date : / / 2017

Signature

**TEMPLATE FOR COURSE SPECIFICATION**

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| HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW |

**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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| Engineering College | ***1. Teaching Institution*** |
| University of Baghdad / department of Surveying  | ***2. University Department/Centre*** |
| Programming (1st stage) | ***3. Course title/code& Description*** |
| Q Basic and visual Basic | ***4. Programme(s) to which it Contributes*** |
| Computers, White board and PowerPoint | ***5. Modes of Attendance offered*** |
| Year | ***6. Semester/Year*** |
|  | ***7. Number of hours tuition (total)*** |
| 5-6-2017 | ***8. Date of production/revision of this specification*** |
| ***9. Aims of the Course*** |
| The course aims to prepare students to be familiar with the details needed in the subsequent stages in many applications in the specialty classes and so it be as sports, in addition to solving many engineering problems. |

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| ***10·Learning Outcomes*** |
| The student should deliver a complete knowledge and practical experience of applying programming solution to solve problem. |
| ***11.Teaching and Learning Methods*** |
| 1. Lectures.2. Tutorials.3. Homework and Assignments.4. Tests and Exams.5. In-Class Questions and Discussions.6. Connection between Theory and Application. |
| ***12. Assessment Methods***  skills of using the program, reports , exams, and logical thinking to solve problems |
| ***13. Grading Policy***Annual grades from exam, reports, etc+ grade from the final exam. |

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| ***14. Course Structure*** |
|  |  |  |  |  | Week |
| Introduction. | 1 |
| Binary system. | 2 |
| Preparation of algorithm.  | 3 |
| Preparation of flowchart. | 4 |
| Variables and constants  | 5 |
| The QBasic language statement (REM and print statement) | 6 |
| Input Instructions ( Let and Input) | 7 |
| Input Instructions ( Direct and Read /Data) | 8 |
| Control Statements ( Go / to and If / then) | 9 |
| Control Statements ( If / go to and On / go to) | 10 |
| Input Matrix | 11 |
| Problems of two dimensional matrix | 12 |
| Problems of three dimensional matrix | 13 |
| Applications | 14 |
| Applications | 15 |
| Introduction to Visual Basic | 16 |
|  Common Properties | 17 |
| Events | 18 |
|  Visual Basic Language (variables, constants  | 19 |
|  Visual Basic Language (arrays, controls statements, and loops | 20 |
|  Managing Forms in V. Basic | 21 |
|  Common Controls ( label, text box and command button) | 22 |
|  Common Controls ( command button, frame, list and combo) | 23 |
| Check and option box | 24 |
| ,Picture and image box, common dialog | 25 |
| VB and VBA Library | 26 |
|  Functions and Subroutines | 27 |
|  Menus | 28 |
|  Modulus | 29 |
| Applications | 30 |

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| ***15. Infrastructure*** |
| * Visual Basic 6 Black Book By Steven Holzner, 1998.
* Visual Basic for all By Turkie Al Acerie, 2002.
 | Required reading:· CORE TEXTS· COURSE MATERIALS· OTHER |
| Webdite | Special requirements (include forexample workshops, periodicals,IT software, websites) |
| Lectures and internship | Community-based facilities(include for example, guestLectures , internship,field studies) |
| ***16. Admissions*** |
|  | Pre-requisites |
| 10 | Minimum number of students |
| 40 | Maximum number of students |
| Assistant lecture (Zahraa A. Husain) | ***17. Course Instructors*** |

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