

## HCT – Information Technology Department

### Higher Diploma and Baccalaureate levels

#### Elective Courses المواد الاختيارية

Elective is a term used for an academic course chosen by the student from a set of courses. DB, SE, NW and IE specializations are offering some electives. Initially the advisor will select any of these electives, and then if the selected elective is not suitable for the student, the student can meet his/her advisor to select another one. Also if the selected section is full, the student can go for another elective.

#### **Software Engineering Specialization:**

Higher Diploma, student will take 3 Major Electives in this level from the following list:

- 1) ITSE3112 Computer Graphics.
- 2) ITSE 3211 Mobile Computing.
- 3) ITDB3111 Project Management.
- 4) ITDB 3208 SQL: Concepts and Syntax.
- 5) ITDB 3101 Database Application Development.

Baccalaureate level, Student will take 1 Major Elective from the following list:

- 1) ITSE4111 Database Management & Security
- 2) ITDB 4102 Oracle Fundamental
- 3) ITNT4203 Unix Operating System

and will take one College Elective from the following list:

- 1) ITBS4000 Human Computer Interaction
- 2) ENGL4100 Business Communication Skills

#### **Database Specialization:**

Higher Diploma, student will take 2 Major Electives in this level from the following list:

- 1) ITSE 3211 Mobile Computing
- 2) ITDB 3112 Web Database Connectivity Using JSP
- 3) ITSE3200 Object Oriented Analysis And Design
- 4) ITDB3111 Project Management

Baccalaureate level, Student will take 1 Major Elective from the following list:

- 1) ITDB 4109 Web Application and Database Security
- 2) ITDB4115 SQL Server

and will take one College Elective from the following list:

- 1) ITBS4000 Human Computer Interaction
- 2) ENGL4100 Business Communication Skills

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#### **Network Specialization:**

Bacculaureate level, Student will take 4 Major Electives in this level from the following list:

- 1) ITNT 4111 Disaster recovery and risk management
- 2) ITDB3111 Project Management
- 3) ITIS3102 Cryptography and Security Risk Management
- 4) ITSE 3211 Mobile Computing
- 5) ITIS3201 Firewalls and Internet Security
- 6) ITSE4301 Techniques in Security Applications Development
- 7) ITSE3112 Computer Graphics.
- 8) ITNT4103 Microprocessors

and will take one College Elective from the following list:

- 1) ITBS4000 Human Computer Interaction
- 2) ENGL4100 Business Communication Skills

#### **Internet and E-Security Specialization:**

Bacculaureate level, Student will take 3 Major Electives in this level from the following list:

- 1) ITSE3112 Computer Graphics.
- 2) ITNT4205 TCP/IP Programming
- 3) ITDB3111 Project Management
- 4) itnt 4111 Disaster recovery and risk management
- 5) ITSE 3211 Mobile Computing
- 6) ITSE4115 Software Measurement And Testing
- 7) ITSE4301 Techniques in Security Applications Development

and will take one College Elective from the following list:

- 1) ITBS4000 Human Computer Interaction
- 2) ENGL4100 Business Communication Skills