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1- Description

Course Code: CSC 306.

Course Title: Information Technology and its Applications Part-2.

Credit Hours: 3 (3-Theory; 1-Lab) Level: 5.

Prerequisites: CSC 206 (Information Technology and its Applications Part-1).

Course content: General overview about the information Technology. Basic Application Software (Basic Productivity Tools). Internet, E-Mail, E-Commerce. Specialized Application Software. Developing Custom Software. System Software. Connectivity, and Networks.

2- Syllabus

1- Information Technology

- Information Systems.
- Hardware.
- Software.
- Connectivity.

2- Basic Application Software (Basic Productivity Tools)

- Basic Types.
- Integrated Packages, and Suites.
- Evaluation.

3- Internet, E-Mail, E-Commerce

- Internet
- E-Mail.
- E-Commerce.

4- Specialized Application Software

- Additional Productivity Programs.
- Other Power Tools.
- Choosing and Using Software.
- Security and Safety.

5- Developing Custom Software:

- Software Developers.
- Software Development Cycle.
- Programming Techniques.
- Generations of Programming Languages.

6- System Software:

- System Software: Functions and Features.
- Microcomputer Operating Systems and Graphical User Interfaces.
- Operating Systems Maximize Processing Efficiency.

7- Connectivity, and Networks

- Communications and Connectivity.
- Controlling Data Flow with Communications Software.
- Network Configurations.

Textbook: Timothy J. O’Leary & Linda I. O’Leary; Computing Essentials 2008; Chapters: 1-5, 9, 14. McGraw - Hill, International Edition; 2008

Other references:

- H. L. Capron & J. A. Johnson; Computers - Tools for Information Age; Prentice Hall; Last edition
- Peter Norton’s; Introduction to Computers, McGraw – Hill; Last edition;
- J. J. Parsons & Dan Oja; Computer Concepts, Thomson L. inc; Last edition.

3- Lab

- Electronic Spreadsheets [Microsoft Excel].
- Database Management Systems [Microsoft Access].
- Internet & Electronic Mail.

4- Grading

	Number	Percentage
Midterm	2	30
Lab	20	20
Attendance: Lectures & Lab	10	10
Final	1	40