# Web Publishing (1903321)
## Summer course 2004/2005

KASIT/ University of Jordan                    BIS Department

## COURSE DESCRIPTION

The explosion of Internet technologies is revolutionizing the way that people do business, communicate and live. Millions of Internet users access unprecedented resources, send and receive messages, perform research and purchase products worldwide. Therefore, CIS students need to understand how the Internet works to be able to design, implement and configure its services and applications effectively.

The course involves three main parts:
- Fundamentals of the Internet (i.e., history, standards, connectivity, searching, FTP, Mail, HTTP and netmeeting).
- Client-side programming (i.e., XHTML, XML, JavaScript and VBscript).
- Server-side programming (i.e., Web servers, ASP.NET and ADO).

## COURSE OBJECTIVES

This course is intended to give the student an overview of the Internet computing. At the course completion, students will understand the fundamentals of the Internet, they will be able to configure the basic Internet services, design and publish web sites, implement client-side and server side scripting.

On successfully completing the module, the students are expected to have gained good knowledge of:
- Understanding Internet platform.
- Implementing client-side scripting
- Implementing server-side scripting
- Publishing over the Web
- Improving personal productivity concepts through Web authoring.

## EVALUATION
- First Exam                15 marks.
- Second Exam               15 marks.
- Assignments AND Project   20 marks.
- Final Exam                50 marks.

## REFERENCES, TEXTBOOKS AND SUPPORTING MATERIALS
**Text Book**
1. **Internet & World Wide Web- How to Program**
Third Edition
H. M. Deitel, P.J. Deitel and A.B. Goldberg

Prentice Hall, 2002 (ISBN:0-13-124682-8)

**References**

**2. In-line/On-line Fundamentals of the INTERNET and the World Wide Web**
Second     Edition
Raymond Greenlaw and Ellen Hepp
Mc Graw Hill, 2002 (ISBN: 0-07-236755-5)

**3. Internet Secrets**
John R. Levine
IDG Books Worldwide Inc., 2000
ISBN: 0-7645-3239-1

**4. Lecture notes**

**5. Recommended Web Sites**
a. www.w3schools.com
b. Internet Technology Course,
   http://www.ag.ohiostate.edu/~ames1/internet/
c. www.w3.org

## COURSE SCHEDULE

| Week | Chapter | Topics |
|---|---|---|
| 1 | Introduction | Overview 1 |
| | Introduction | Overview 2 |
| | Introduction | Overview 3 |
| | Chapter 4 | HTML ( Basic Tags ) |
| | Chapter 4 | HTML ( Table, List, Images, Maps ) |
| 2 | Chapter 5 | HTML ( Frames, Form ) |
| | Chapter 6 | Cascading Style Sheets (CSS) |
| | Chapter 6 | Cascading Style Sheets (CSS) |
| | Chapter 20 | XML |
| | Chapter 20 | XML |
| 3 | Chapter 20 | Valid XML Document Type Definition  ( DTD ) |
| | Chapter 20 | Document Type Definition ( DTD ) |
| | Chapter 20 | XML Scheme |
| | Chapter 20 | XML Scheme |
| | Chapter 20 | XSL & CSS For XML Formatting |
| 4 | External | XML Application: XHTML, SOAP, WSDL, UDDI |
| | First Exam | |
| | Chapter 7 & 8 | JavaScript 1 |
| | Chapter 9 & 10 | JavaScript 2 |

| | Chapter 11 & 12 | JavaScript 3 |
|---|---|---|
| 5 | Chapter 32 | VBScript |
| | Chapter 20 | Document Object Model (DOM) |
| | Chapter 13-16 | DHTML |
| | | Form Validation Using JavaScript |
| | Chapter 23 | Introduction To ASP.Net |
| 6 | Chapter 14 | Form Processing |
| | Chapter 14 | Form Processing |
| | External | Session Management |
| | External | Session Management |
| | External | Error Handling |
| 7 | Chapter 33 | ADO.Net |
| | Chapter 33 | Selection |
| | Chapter 33 | Update |
| | Chapter 33 | Delete |
| | Chapter 33 | Insert |