



جامعة دبي  
UNIVERSITY of DUBAI

COLLEGE OF INFORMATION TECHNOLOGY

Course Syllabus

Semester: .....

Course code & No.: ITGN 120

Course Title: Internet Applications

Prerequisites: ITGN 115 – Computer Applications

Faculty Member:

Contact Details: Email: .....; Phone: .....

**Brief Course Description:**

The purpose of this course is to develop the skills necessary to utilize the power of the Internet for information purposes. Coverage includes technology development, connecting to the Internet, Internet-based services, and web-site development.

**Course Objectives (CO):** Upon the completion of this course the student should be able to:

1. Acquire familiarity with the Internet and Internet based services.
2. Acquire skills for developing WebPages

**This course assesses the following BSc – CIS Program Outcomes (PO):**

8. Ability to use current techniques, skills, and tools necessary for computing practice.
9. Understanding of processes that support the delivery and management of information systems within a specific application environment.

**This course covers the following BSc – CIS Skill Areas:**

10. Use of information technology tools: through lab sessions and project development
12. Ethical Awareness: through class discussions and lectures.

**Course Learning Outcomes (CLO):**

1. Describe the major current Internet technologies.
2. Demonstrate an understanding of essential concepts of HTML and XHTML.
3. Create valid Web pages using XHTML (which includes (1) formatted text and lists, (2) tables, (3) hyperlinks, (4) frames and (5) forms).
4. Use Java scripts to create dynamic Web pages.
5. Integrate knowledge of HTML coding and Java scripts to develop a simple web site project

**Bloom's Taxonomy**

(The following percentage has been allocated each level of Bloom's taxonomy while developing the course objectives)

Bloom's level	1.Knowledge (K)	2.Comprehension (C)	3. Application (App)	4. Analysis (An)	5. Synthesis (S)	6. Evaluation (E)
CLO #	1,2	2,3	3,4,5	4,5	5	-

## **CLO Mapping**

This table maps CLO's to: CO, and BSc – CIS Program Outcomes (PO)

<b>CLO</b>	<b>Linked to CO</b>	<b>Linked to PO</b>
1. Describe the major current Internet technologies.	1	9
2. Demonstrate an understanding of essential concepts of HTML and XHTML.	2	8
3. Create valid Web pages using XHTML (which includes (1) formatted text and lists, (2) tables, (3) hyperlinks, (4) frames and (5) forms).	2	8
4. Use Java scripts to create dynamic Web pages.	2	8
5. Integrate knowledge of HTML coding and Java scripts to develop a simple web site project	2	8

## **CLO Assessment Scheme**

<b>CLO</b>	<b>Class work (50%)</b>				<b>Mid-term (20%)</b>	<b>Final Exam (30%)</b>
	<b>Quiz 1</b>	<b>Quiz 2</b>	<b>Quiz 3</b>	<b>Project</b>		
1	5				10	5
2	5				10	5
3		10	5			15
4			5			5
5				20		-
<b>Total</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>20</b>	<b>30</b>

## **Teaching Methods**

This course will be delivered using a combination of lectures, laboratory and presentation sessions. This class is conducted in a computer laboratory.

## **Use of Modern Instructional Technology:**

- Internet
- Interactive labs
- PowerPoint presentations.
- Class discussions and project.
- On-line Learning Management System (**Moodle**), available on-line at: <http://udmoodle/login/index.php>

## **Educational Resources**

<b>Educational Resource</b>	<b>Description</b>
<b>Textbooks Required</b>	HTML and XHTML - Comprehensive, 5 <sup>th</sup> edition, by Patrick Carey, Course Technology, 2009
<b>References:</b>	Web Development & Design Foundations with XHTML by TerryFelke-Morris; Pearson Education - 2009
<b>On-line References:</b>	<a href="http://www.course.com/np/html/">http://www.course.com/np/html/</a> ; <a href="http://html-color-codes.com">http://html-color-codes.com</a> ; <a href="http://www.december.com/html/spec/color.html">www.december.com/html/spec/color.html</a> ; <a href="http://www.javascriptcity.com">www.javascriptcity.com</a> ; <a href="http://www.animationfactory.com">www.animationfactory.com</a> ; <a href="http://www.background.com">www.background.com</a> ; <a href="http://www.bigoo.ws">www.bigoo.ws</a>

Internet Applications Weekly/Daily Teaching Plan							
Day/Week	Day/Week of	Lecture / Lab Sessions	Ch	Unit Objectives	Relation to CLO	Assignment / Reading	Assessment
1	.....	Course introduction & The Internet	Tutorial 1	<ol style="list-style-type: none"> <li>1. Provide overview of Networks</li> <li>2. Introduce the Internet</li> <li>3. Explain how e-mail, FTP, newsgroups, message boards, mailing lists, chat rooms, and instant messaging work</li> </ol>	1	Internet Research	
2	.....	The Internet	Handouts	<ol style="list-style-type: none"> <li>1. Explain the concept of Hypertext documents</li> <li>2. Define Linear versus hypertext documents</li> <li>3. Introduce Web Servers and Web Browsers</li> <li>4. Recognize how Web pages use graphics, animation, audio, video and virtual reality.</li> </ol>	1, 2	Internet Research	
3		The Internet	Handout	<ol style="list-style-type: none"> <li>1. Know how to search for information on the Web</li> <li>2. Describe the uses of electronic commerce</li> <li>3. Identify the tools needed for web publishing.</li> <li>4. Identify the rules of netiquette</li> </ol>	1	Internet Research Extra reading material	class project guidelines & assessment
4	.....	Web Page Development	Th 1	<ol style="list-style-type: none"> <li>1. Identify various Web site development tools</li> <li>2. Introduce HTML &amp; XHTML: the language of web</li> <li>3. Show how to create Lists in HTML</li> </ol>	2 3.1	Case Problem 1 on Page 46	Quiz 1
5	.....	Web Page Development	Th 2	<ol style="list-style-type: none"> <li>1. Demonstrate usage of working with Links</li> <li>2. Understand URLs</li> </ol>	1 3.3	Review Assignment on Page 91	
6		Web Page Development	Th 3	<ol style="list-style-type: none"> <li>1. Show how to work with Fonts, colors and Graphics</li> </ol>	3.1	Practice of the portion covered in the lab.	
7		Web Page Development	Th 4	<ol style="list-style-type: none"> <li>1. Create a Web page with Tables</li> </ol>	3.2	Practice lab session. Create a table as shown on Pg 198 (Spanning cells)	Quiz 2
8	.....	Web Page Development	Th 5	<ol style="list-style-type: none"> <li>1. Demonstrate how to display multiple Web pages using Frames</li> </ol>	3.3	Practice of the lab session.	<b>Mid-Term</b>
9	..... ...	Web Page Development	Th 5	<ol style="list-style-type: none"> <li>1. Show how to use Frames and Frameset</li> </ol>	3.4	Create a Friends Web Page as on Page 265	
10	..... ...	Web Page Development	Th	<ol style="list-style-type: none"> <li>1. Show how to create Web Page Forms</li> </ol>	3.5	Create a form similar to pg 343	
11	..... .....	Web Page Development	Th 8	<ol style="list-style-type: none"> <li>1. Demonstrate how to enhance a Web Site with multimedia technologies</li> </ol>	3	Practice of the portion covered in the lab.	
12	..... ...	Introduction to Java script	Th	<ol style="list-style-type: none"> <li>1. Introduce Java script Fundamentals</li> <li>2. Discuss Java script structure</li> </ol>	4	Problems on JavaScript.	
13	..... ...	Introduction to Java script	Th 10	<ol style="list-style-type: none"> <li>1. Apply JavaScript to write simple interactive programs.</li> <li>2. Demonstrate how to create Dynamic web pages</li> </ol>	,4	Problems on JavaScript.	
14	.....	Introduction to Java script	Th 10	<ol style="list-style-type: none"> <li>1. Show how to design simple interactive WebPages with JavaScript.</li> <li>2. Discuss ethical issues related to internet applications.</li> </ol>	4	Problems on JavaScript.	Quiz 3
15	.....	Project		Project Presentations			Presentation
		All		Comprehensive	All		<b>Final Exam</b>

### Attendance Policy

1. Students who are late for 10-20 minutes will be marked "Late attendance" in the SIS. Four such late attendances are counted as one full absence for 3-hour class session towards computing Warnings for absence.
2. Students who are late for more than 20 minutes will be allowed to sit for the class but will be marked as absent in the attendance record.
3. Absenteeism percentages are calculated according to the table below:

Duration of Lecture	No. of Absences		
	10%	20%	25% (Deprived)
1 hour 20 minutes	3 Absences	6 Absences	8 Absences

### Missing Exam Policy

1. Failing to attend Quiz: A student who misses a quiz will not be allowed for any make-up quiz.
2. Failing to attend Midterm and Final Exam.
3. Excuses should be reported to the Admission & Registration Department within seven days of the last day of excuse.
4. All medical excuses should be stamped by the Ministry of Health.
5. All midterm make-up exams will be held only once during the 13<sup>th</sup> week of the Fall & Spring Semesters and on the 13<sup>th</sup> day of the winter, Summer & II Semesters.
6. All final make-up examinations (for I grade in the previous semester) will be held 2 Or 3 days before the start of the next semester.
7. 80% of the exam marks (either mid-term or final) will be granted for such make-up exams.
8. If the student does not attend the midterm or final make-up exam on the specified date, he/she will be deprived from any further make-up exams even if he/she provides again an acceptable excuse.

### Class Conduct Policy

1. UD is an accredited university of international standard. You must behave as a University student and not a high school student.
2. Students should understand course learning objectives stated in the course syllabus on day 1 of the course as to what it means, why it is important, how they are assessed etc., so that they know the value of the course they are taking.
3. Instructors encourage students' questions. Please do not feel shy asking questions.
4. Students cannot leave the class during lecture time.
5. **Class disturbance:**
  - i. Mobile phones must be switched off during class. Students using their mobile phones will be considered **misbehavior** for that class.
  - ii. Students found whispering or talking during lectures will be asked to leave the class and will be considered as **misbehavior** for that class.
  - iii. Markings under **misbehavior** (from item i to ii) will be tracked by the SIS and deducts 1% mark for each occurrence. if the number of incidences reaches 3, such students are treated as "F" in the course and will be referred to the Student Affairs for investigation.
6. Students with no book in the class from 2<sup>nd</sup> week are marked in the SIS and loose 1% from the total course grade for each occasion.
7. Students are expected to use a variety of references in their assignments (books, on-line sources, journals...).
8. Students are required to do some further readings prior to coming to class.
9. No handouts of any kind are given. Students must learn from textbook and journal articles.
10. Late submission of assignments will be penalized by 10% a day. No assignments are accepted by the instructor during the final examination period.
11. In case of absence, you are responsible for course covered in the missed class.
12. Keep copies of your assignments for your own record.
13. UD cheating policy and absenteeism policies will be strictly enforced.
14. Students should take more challenging responsibilities in learning.
15. Students should demand feedback on their assignments, quizzes, class work, and exams from their instructors. They should know their performance status well before final examination.
16. When you are not satisfied with the course grade, you can request the registration department for **review of your final exam script only. Earlier course work is not reviewed.**
17. Medical condition is not considered a reason for being absent from the class
18. **No phones will be allowed during the mid-term and final exams.** Be sure you carry a calculator and/or a watch if you have a need for either one of them.

## **ACADEMIC HONESTY**

Plagiarism and academic dishonesty of any kind are not tolerated. Students found cheating, or involved in any form of academic dishonesty will receive an F grade in the grade. For additional information on UD regulations concerning academic integrity, please refer to your "Student Handbook" for the UD Code of Student Conduct process statement, available on-line at: [http://www.ud.ac.ae/new/student\\_affairs/handbook/studentcc.doc](http://www.ud.ac.ae/new/student_affairs/handbook/studentcc.doc)

Academic dishonesty is not limited to simply cheating on an exam or assignment. It also includes the following:

- ⇒ Facilitating acts of academic dishonesty to others,
- ⇒ Submitting someone-else work or work previously used in other courses, without informing the instructor,
- ⇒ Receiving outside assistance without instructor's permission.
- ⇒ Including ideas from external sources (such as on the web or in the library) without proper referencing.
- ⇒ Providing assistance to students during exam.