



2009 Catalog Description : (3 3 4) Electronic mail and file transfer. Information retrieval services and tools. Multimedia applications: Audio-Video conferencing; networked hypertext and hypermedia; visual cyberspace. World Wide Web (WWW) page and program development. The Hypertext Markup Languages and the Hypertext Transfer Protocols. Common Gateway Interfaces, Java Script. Web page style and design. *Prerequisites:* **CSET 203, CSET 221**

Textbook: *Internet and World Wide Web How to Program*, by Harvey and Paul Deitel (TB)
Laboratory manuals: HBCC, CSET 226 manuals. (LM)
Notes: HBCC, CSET 226, handouts. (HO)
Coordinator: Dr. Lawan Ahmad Mohammad.
Instructor: Mr. Muhammad Faisal, Lecturer.

Goals: The aim of this course is to introduce the students with the to-date Internet services and Web development skills. The students will get familiar with the Internet and web page development terminologies and concepts and will be able to develop and manage WEB sites. They will also learn to develop dynamic web pages using Java Script and ASP.Net & PHP.

Topics:

1. Introduction to Internet and Internet Services (3 classes)
2. Working with e-mails (3 classes)
3. Multimedia Applications, Web Authoring and HTML (8 classes)
4. Working with Java Scripts/VB Scripts (4 classes)
5. Dynamic Web Pages (Using ASP.NET) (15 classes)
6. PHP Scripting and MySQL (10 classes)
7. Major Exams (2 classes)

Syllabus breakdown: attached.

<u>Assessment Policy</u>	<u>Weighting</u>	<u>Letter Grading Scale:</u>
Practical	10%	0% < 60% F
Project	10%	60 % < 65% D
Homework	5%	65% < 70% D+
Quizzes	10%	70% < 75% C
Mid-term lab exam.	5%	75% < 80% C+
Final lab exam.	5%	85% < 85% B
First Major exam.	10%	85% < 90% B+
Second Major exam.	15%	90% < 95% A
Final examination	<u>30%</u>	95% to 100% A+
	100%	

All HBCC/KFUPM rules and regulations apply.

1. **Student IDs:** students should have/carry their IDs with them all the time while at the college premises.
2. **Attendance:** students are expected to attend all meeting of their courses. In the case of any absence, students are responsible for course content during their absence.
3. **Absenteeism:** a record is consistently compiled and updated. If the student has been absent too many times without a valid excuse, he will be excluded from the college.
4. **Smoke free college:** smoking is prohibited in all college facilities.
5. **Behavior:** students who engage in behavior that disrupts the learning environment for others may be subjected to disciplinary action under the KFUPM code.
6. **Exam cheating:** it is not permitted to speak during the exam. Failure to abide by this rule will result in their exam marks being cancelled.

Prepared by: MR. MUHAMMAD FAISAL SIGNATURE: _____ Date: _____

Approved by: DR. HAMZA MAGHRABI SIGNATURE: _____ Date: _____

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Week no.	Contents	Handout No.	Practical / support activities	Assessment
1	Introduction to Internet and Internet Services Working on Internet, searching, browsing, downloading, URL's, addresses.	HO # 1	Introduction	HW # 1
2	E-mail and its features Using E-mail software, Browsing software, configuring E-mails	HO # 2 HO # 3	Experiment 1 Working on Internet	Quiz # 1
3	Introduction to Web Authoring, Multimedia Applications and Web page editors.	HO # 4	Experiment 2 Working with Email Server, and multimedia applications	HW#2
4	Introduction to HTML, HTML Basics Working with HTML Tags, using Hyperlinks.	HO # 5 HO # 6	Experiment 3 Working with HTML Working with Advanced Tabs and creating Lists with HTML	Quiz # 2
5	Creating Lists with HTML, Creating Tables with HTML. Working with HTML Forms	HO # 7	Experiment 4 Creating Tables and Fill-In forms with HTML Using <i>Front page 2000</i> . Web page development with <i>HTML KIT</i>	HW#3 Quiz # 3
6	Java Scripts Using scripts with HTML Flow control and decision-making in Java scripts.	HO # 8	Experiment 5 Working with Java Scripts	HW#4
Major I Exam				
7	Writing Functions using Java script Introduction to ASP.NET	HO # 9	Experiment 6 Introduction to ASP.NET application environment	Quiz # 4
8	Introduction to Web forms and HTML server controls. Variables, data types and Operations	HO # 10	Mid term Lab Exam	HW#5
9	Introduction to XML Control Structures and Procedural Programming Introduction to Objects	HO # 11	Experiment 7 Working with WEB server and ASP.NET	Quiz # 5

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10	Objects in ASP.NET Reading from Data Source Manipulating data sources.		Experiment 8 Working with ASP.NET and Database Applications - I	HW#6
11	Manipulating data Sources (contd...) ASP.net server controls ASP.NET Uploads, Emails etc.	HO # 12	Experiment 9 Working with ASP.NET and Database Applications - II	
Major II Exam				
12	Introduction to PHP Programming Working with PHP & HTML		Experiment 10 ASP.NET and different useful techniques	Quiz # 6
13	Working with PHP Forms PHP Functions	HO # 13	Experiment 11 Working with PHP	
14	Working with MySQL Database Programming with PHP		Experiment 12 Working with PHP and MySQL	
15	Revision.		Final Lab Exam	
16	Final Exam			

EXAMINATION SUMMARY

Examination	Major I	Major II	Midterm Lab Exam	Final Lab Exam	Final Exam.
Week No.	6	11	8	15	16

Lab Software: Notepad, Visual Studio.NET 2005, PHP, SQL Server, MySQL

Supporting Software: HTML Kit, MS FrontPage, Dreamweaver