

Course Syllabus

1. **Name of Curriculum** Bachelor of Science Program in Computer Science
International College, Mahidol University
2. **Course Code** ICCS 474 Internet Programming
3. **Number of Credits** 4 (3-2)
4. **Prerequisite** ICCS 203 Computer Programming II
ICCS 428 Object-oriented Concepts
5. **Type of Course** Elective Computer Sciences Major Courses
6. **Trimester/ Academic Year**
7. **Course Description** Learn how to develop application on the Internet including the Web based applications. Concepts of Internet specific application along with development tools will be introduced. This class is the fundamental for E-Commerce application development. Student must develop simple Internet based application.
8. **Course Objectives** Learn various web development languages such as HTML, XML, JavaScript, and JSP. Includes hands on development on both internet and intranet.

9. Course Outline

Week	Topic		Instructor
	Lecture/Seminar	Hour	
1	Fundamentals: Introduction to the Internet	4	
2	HTML review	4	
3	Cascading Style Sheets	4	
4	Introduction to JavaScript	4	
5	JavaScript and HTML documents	4	
6	Midterm Exam	4	
7	XML and Application Server	4	
8	Introduction to Servlets	4	
9	Introduction to Java Server Pages	4	
10	Database access through the web	4	
11	Project Presentation and Review	4	
12	Final Exam		

10. Teaching Methods Lecture, Practical Exercises, Demonstration, Self Study

11. Teaching Media Texts and teaching materials, Presentations

12. Course Achievement Assessment made form the set-forward criteria:- student who gets 90% up, will have Grade A

13. Course Evaluation

Final Exam	25 %
Midterm Exam	25 %
Project and Assignment	35 %
Quiz and Attendance	15 %
Total	100%

90% or more	A
85% - 89%	B+
80% - 84%	B
75% - 79%	C+
70% - 74%	C
65% - 69%	D+
60% - 64%	D
Below 60%	F

14. References

- 1) Robert W.Sebesta, Programming the World Wide Web, Addison Wesley
- 2) Deitel, H.M., Nieto, T.R. 2001 e-Business & e-Commerce How to Program, Prentice Hall, 1254 pp.
- 3) Chase, Nicholas. 2003 XML Primer Plus, Sams Publishing993 pp.

15. Instructors

16. Course Coordinator

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