

## COURSE OUTLINE OF RECORD

<b>Dept., Number</b>	CSC 3332	<b>Course Title</b>	Fundamentals of Internet Systems
<b>Semester Hours</b>	3		
<b>Year</b>	2006	<b>URL (if any):</b>	

### **Current Catalog Description:**

This course addresses the structure and functionality of the Internet and software that exploits it. Topics include mark up languages, Web tools, static, dynamic and active Web pages, multimedia in Web applications, communication protocols, client-server computing, scripting, group communication support, e-commerce, and security. Topics also include systems for organizing and coordinating work at different sites, that exploit the Internet, and architectures to exploit the distributed computational power offered by the Internet.

### **Textbook:**

H.M. Deitel, P.J. Deitel, and A.B. Goldberg, Internet and World Wide Web: How to Program, Prentice Hall, 2004.

### **Course Goals:**

- 1 Students will understand and be able to use the key concepts of hypertext mark up languages.
- 2 Students will understand and be able to use the key concepts of dynamic hypertext mark up languages.
- 3 Students will be able to write code in scripting languages.
- 4 Students will understand client-server computing and will be able to write CGI code.
- 5 Students will understand the basic concepts of e-commerce and distributed architectures for the Internet.

### **Prerequisites by Topic:**

### **Major Topics Covered in the Course (number of weeks):**

### **Laboratory Projects:**

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**Estimate Curriculum Category Content (Semester hours)**

<b>Area</b>	<b>Core</b>	<b>Advanced</b>	<b>Area</b>	<b>Core</b>	<b>Advanced</b>
Algorithms			Data Structures		
Software Design			Prog. Languages		
Comp. Arch.					

**Oral and Written Communication:**

**Social and Ethical Issues:**

**Theoretical Content:**

**Problem Analysis:**

**Open-Ended Design:**