

**California State University Channel Islands  
New Course Proposal**

Program Area: Computer Science

**1. Catalog Description of the Course.**

**IT 400 ECOMMERCE (3)**

Three hours of lecture in the lab per week

Prerequisites: IT 280 and 420

Fundamentals of database driven web sites. Online accounts, cookies, shopping carts, data collection and storage, and data security. Covers user interface design, navigation and site search strategies and database support.

**2. Mode of Instruction.**

	<u>Units</u>	<u>Hours per Unit</u>	<u>Benchmark Enrollment</u>
Lecture	3	1	24
Seminar	0	0	0
Laboratory	0	0	0
Activity	0	0	0

**3. Justification and Learning Objectives.**

Justification: BSIT elective.

Learning Objectives:

Students who successfully complete this course will be able to:

1. Demonstrate an understanding of Client-Server processes.
2. Be able to select and justify an appropriate application architecture for a web application
3. Be able to identify the components of an e-commerce system.
4. Be able to systematically evaluate user requirements.
5. Be able to model the data and functionality of an e-commerce system.
6. Be able to define an n-tier architecture as applied to e-commerce.

**4. Is this a General Education Course?**

No.

**5. Course Content in Outline Form.**

Topics:

1. Encryption
2. Database security
3. Internet Protocols
4. Business models
5. User Interface Design.
6. Privacy Concerns.
7. Collecting Marketing Information.
8. Cookies.
9. Web Site Navigation.
10. Web Site Search.

**6. Cross-listed Courses.**

None.

**7. References.**

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>Year</u>	<u>ISBN</u>
1. e-Business and e-Commerce How to Program	Paul Deitel, Harvey M. Deitel, Paul J. Deitel, T.R. Nieto, Harvey M. Deitel	Prentice Hall	2000	013028419X
2. Internet and World Wide Web - How to program	Deitel, Deitel and Nieto	Prentice-Hall	2002	0130308978
3. E-Commerce : Business. Technology. Society., Case Book Update (2nd Edition)	Kenneth C. Laudon, Carol Guercio Traver	Addison Wesley	2004	0321269373

**8. Faculty Qualified to Teach This Course.**

Qualified Faculty: William Wolfe

**9. Frequency.**

Projected semesters to be offered: Fall, Spring, Summer

**10. New Resources Required.**

- a. New Equipment needs: Use of existing computer lab.
- b. New Library needs: none
- c. New Space/Facilities needs: none

**11. Program Modifications.**

None.

**12. Proposer of Course.**

Proposer: Smith, Wolfe Date: 7/13/2004