California State University Channel Islands
New Course Proposal

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.**

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Seminar</td>
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<td>0</td>
</tr>
<tr>
<td>Laboratory</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Activity</td>
<td>0</td>
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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.
   10. Web Site Search.

6. **Cross-listed Courses.**
   None.

7. **References.**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Publisher</th>
<th>Year</th>
<th>ISBN</th>
</tr>
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<tbody>
<tr>
<td>2. Internet and World Wide Web - How to program</td>
<td>Deitel, Deitel and Nieto</td>
<td>Prentice-Hall</td>
<td>2002</td>
<td>0130308978</td>
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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