## Course Inventory Change Request

### New Course Proposal

**Date Submitted:** 11/30/15 11:56 am  
**Viewing:** WEB 4200: Web Application Development II  
**Last edit:** 01/04/16 4:52 pm  
**Changes proposed by:** d00038752

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<th>WEB</th>
<th>Course Number:</th>
<th>4200</th>
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<td>Effective Semester:</td>
<td>Fall 2016</td>
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<td>Department:</td>
<td>Computer Information Technology (CIT)</td>
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<td>School of Science &amp; Technology</td>
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<td>Instructor Permission Required:</td>
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### In Workflow
1. CIT Chair  
2. SC Dean  
3. University Curriculum Committee Chair  
4. Banner

### Approval Path
1. 11/30/15 1:47 pm  
   Bart Stander (stander): Approved for CIT Chair  
2. 12/02/15 1:57 pm  
   Ruth Bruckert (bruckert): Approved for SC Dean
WEB 4200: Web Application Development II

Repeatable for Credit: No

Schedule Type: Lecture Hrs/Wk: 3

Catalog Prerequisites? Yes

Catalog Prerequisites: WEB 3200 (Grade C- or higher).

Grade Required on Prerequisite(s): C-

Corequisites? No

Corequisites?

Course/Lab Fee? Yes

Fee Amount | Fee Deposit Index Code | Fee Justification
--- | --- | ---
25 | TEC303 | Maintain CIT infrastructure.

Instruction Index Code: TEC203

GE Status Requested: No

Catalog Description: For students pursuing an emphasis in Web Design & Development, or other students interested in writing applications for the modern web. Covers advanced concepts and topics in client-side and server-side web application development. Students will be introduced to a variety of modern software frameworks, languages, architectural patterns, and techniques in order to create interactive, data-centric web applications.
Course Rotation: Spring (every)

Justification for course/change: CS 4000 / CS 4010 are being restructured into CS 3200 and CS 4200. Instead of a Server Code / Client Code division, both are being presented together, with incrementing difficulty

Library Resources Adequate: Yes
Tech Resources Adequate: Yes

Comparable Courses:

<table>
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<th>Institution</th>
<th>Prefix/Number</th>
<th>Credit(s)</th>
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<tbody>
<tr>
<td>Utah Valley University</td>
<td>CS 3660</td>
<td>3</td>
<td>Web Programming II</td>
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Course Learning Outcomes:
Students will be able to design the architecture of a modern web application, and explain the appropriate use of JavaScript frameworks, server-side web frameworks, databases, and cache systems. (related to program outcome #1)
Students will be able to write code for all tiers of a web application, including a browser-based user interface, an API server, and a database. (related to program outcome #2)
Students will be able to deploy modern web applications on commercial cloud infrastructure using industry-standard tools and services. (related to program outcome #3)
Students will be prepared to investigate new web tools and frameworks, and evaluate their suitability for web application projects. (related to program outcome #3)

Course Reviewer
Comments

Key: 1665

https://newcatalog.dixie.edu/courseleaf/approve?role=admin