Course Inventory Change Request

New Course Proposal

Date Submitted: 01/06/16 4:23 pm

Viewing: **CS 3200: Web Application Development I**

Last edit: 01/08/16 3:45 pm

Changes proposed by: d00038752

<table>
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<th>CS</th>
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<td>Effective Semester:</td>
<td>Fall 2016</td>
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<td>Department:</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. 01/06/16 4:49 pm
Bart Stander (stander): Approved for CIT Chair
2. 01/07/16 8:28 am
Ruth Bruckert (bruckert): Approved for SC Dean
Repeatable for Credit: No
Schedule Type: Lecture Hrs/Wk: 3
Catalog Prerequisites: Yes
Catalog Prerequisites: CS 1410 (Grade C- or higher) AND WEB 1400 (Grade C- or higher); OR CS 2810 (Grade C- or higher).
Grade Required on Prerequisite(s): C-
Corequisites: No
Course/Lab Fee: Yes
Fee Amount Fee Deposit Index Code Fee Justification
25 TEC303 Maintain CIT infrastructure.
Instruction Index Code: TEC200
GE Status Requested: No
Catalog Description: For students pursuing a degree in Computer Science or an emphasis in Software Development, or other students interested in writing applications for the modern web. Covers the fundamentals of three-tier web applications, including client-side code for modern browsers, server code using representative languages, and integration with database systems; also covers the protocols that connect these components and the environments in which they run.
Course Rotation: Fall (every)
                 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:
(Use USHE course first)

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<tr>
<th>Institution</th>
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<td>Utah Valley University</td>
<td>CS 3550</td>
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<td>Internet Software Development</td>
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Course Learning Outcomes:
Students will be able to explain the underlying technologies upon which web applications rely, including databases, the internet, HTTP, JavaScript, HTML, the Document Object Model, and REST APIs.
Students will be able to design the architecture of a basic web application, and explain the appropriate use of HTML/JavaScript, server-side processing, and databases. (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)

Course Reviewer Comments:
D00072043 (01/04/16 10:40 am): Rollback: In the prereq field it is listed "or equivalent experience", there is no way for the system to block that accurately, would it be better to say "or instructor permission." If you want it left that way, roll it forward again, otherwise please correct and then roll forward.
D00072043 (01/08/16 3:44 pm): added (Grade C- or higher). after CS 2810 in the prerequisite field.