



SACRAMENTO
STATE

Course Change Proposal Form A



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| Academic Group: Engineering & Computer Science | Academic Organization: Computer Science Department | Date: February 23, 2007 |
| Type of Course Proposal: New ___ Change <u>X</u> Deletion ___ | Department Chair: Du Zhang | Submitted by: Du Zhang |
| Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes ___ No <u>X</u> | For Catalog Copy: Yes <u>X</u> No ___ CCE: Yes ___ No <u>X</u> | Semester Effective: Fall <u>X</u> Spring ___, 20_07__ |

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| This course replaces experimental course Subject Area (prefix) and Catalog Number (course number): | |
| This Catalog Number (course number) is being replaced: | |

Change from:

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|---------|------------------------------------|-----------------|
| CSC 122 | Title: Web Database Systems | Units: 3 |
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Change to:

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|---------|---|-----------------|
| CSC 122 | Title: Web Database Applications | Units: 3 |
|---------|---|-----------------|

JUSTIFICATION:

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| Change in title, description, and prerequisite to reflect updated content. |
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NEW COURSE DESCRIPTION: (Not to exceed 80 words, and language should conform to catalog copy. See <http://www.csus.edu/aca/unistmanual/crspsl.htm> - Guidelines for Catalog Course Description)

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| Fundamentals of building effective database-driven web applications. Particular emphasis on database access via web interfaces. Introduction to database management systems, their structure and usage, SQL, integrating web applications with databases, design and implementation of dynamic web database applications. |
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Note:

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| Prerequisite: CSc 10 or CSc 22; and CSc 80 or equivalent |
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Corequisite:

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| CAN (California Articulation Number): |
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| Graded: Letter <u>X</u> Credit/No Credit ___ | Instructor Approval Required? Yes ___ No <u>X</u> |
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|----------------------------------|--|
| Course Classification: 04 | Title for SIS+/CMS (not more than 30 characters) Web Database Applications |
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| Cross Listed? Yes ___ No <u>X</u> | If yes, do they meet together and fulfill the same requirement, and what is the other course. |
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| How Many Times Can This Course be Taken for Credit? <u>1</u> |
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| Can the course be taken for Credit more than once during the same term? Yes ___ No <u>X</u> |
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FOR NEW COURSE PROPOSALS OR SUBSTANTIVE CHANGES ONLY:

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc." See the example at <http://www.csus.edu/acad/example.htm>

Students will understand the lifecycle of a web database application and how the different parts of the three-tier architecture fit together; they will be able to construct databases and tables in a database management system for web applications, use Application Programming Interface (API) to access a database, combine all of the above into a working, real world application, and build SELECT statements including using JOIN, GROUP BY, and other advanced SQL features.

****Attach a list of the required/recommended course readings and activities [Note: it is understood that these are updated and modified as needed by the instructor(s).] This attachment should be forwarded only to your Dean's office, not Academic Affairs.**

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above:

Examinations, laboratory projects, written reports, and oral presentations.

For whom is this course being developed?

Majors in the Dept ___ Majors of other Depts X Minors in the Dept ___ General Education ___ Other X

Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes X No ___

If yes, identify program(s): Managing Information on the World Wide Web Certificate Program.

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer facilities, faculty, etc.)? Yes ___ No X

If yes, attach a description of resources needed and verify that resources are available.

Indicate which department or programs will be affected by the proposed course (if any). _____

The Department Chair's signature below indicates that affected programs have been sent a copy of this proposal form.

Approvals: If proposed change, new course or deletion is approved, sign and date below. If not approved, forward without signing to the next reviewing authority, and attach an explanatory memorandum to the original copy.

Signatures:

| | Date |
|---|------------------------------|
| Department Chair: | 2/23/2007 |
| College Dean or Associate Dean: | 3/23/07 |
| CPSP (for school personnel courses ONLY) | |
| Associate Vice President and Dean for Academic Programs | CONDITIONAL APPROVAL 4/12/07 |

Distribution: Academic Affairs (original), Department Chair and College Dean. Dean's office to send original after approval to Academic Affairs, at mail zip 6016. An electronic copy must also be sent.