

Course Change Proposal Form A



Academic Group: Engineering & Computer Science	Academic Organization: Computer Science Department	Date: March 16, 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_

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

Change from:

CSC 258	Title: Distributed Systems	Units: 3
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Change to:

CSC	Title:	Units:
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JUSTIFICATION:

The revision involves some moderate changes in the course topics to reflect state of the art in the area of distributed systems.

NEW COURSE DESCRIPTION: (Not to exceed 80 words, and language should conform to catalog copy. See <http://www.csus.edu/acaf/univmanual/crsp1.htm> - Guidelines for Catalog Course Description)

Distributed system architectures, distributed object model, component-based design, time and global states, coordination and agreement, distributed transactions and concurrency control, replication, security, distributed multimedia systems, message passing and distributed shared memory, Web services and Service-Oriented Architecture (SOA), Grid computing. Emphasis on scalability, manageability, security, and dependability of distributed systems.

Note:

Prerequisite: CSc 204 and fully classified graduate status in Computer Science, Software Engineering, or Computer Engineering.

Corequisite:

CAN (California Articulation Number):

Graded: Letter X Credit/No Credit ___ **Instructor Approval Required? Yes ___ No X**

Course Classification: 05 **Title for SIS+/CMS (not more than 30 characters)**
Distributed Systems

Cross Listed? Yes ___ No X **If yes, do they meet together and fulfill the same requirement, and what is the other course.**

How Many Times Can This Course be Taken for Credit? 1

Can the course be taken for Credit more than once during the same term? Yes ___ No X

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/acaf/example.htm>

Students will:

1. Be introduced to concepts in distributed computer systems
2. Obtain knowledge of fundamental distributed algorithms and protocols
3. Obtain knowledge of building scalable and dependable large-scale distributed systems with proper architecture and protocol/algorithm design
4. Develop proficiency in the development of enterprise distributed applications
5. Be exposed to the latest research and technology trends in the area

****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:

Tests, laboratory projects, and written reports.

For whom is this course being developed?

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

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

If yes, identify program(s):

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

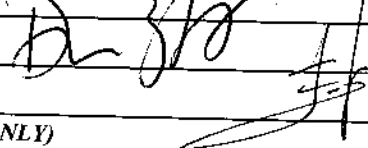
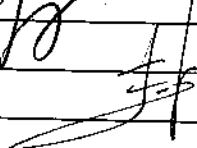
If yes, attach a description of resources needed and verify that resources are available.

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: 	3/16/2007
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.