CSC 258: DISTRIBUTED SYSTEMS

In Workflow

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Approval Path

1. Fri, 18 Oct 2019 01:07:13 GMT
   Jinsong Ouyang (jouyang): Approved for CSC Committee Chair
2. Fri, 18 Oct 2019 18:29:02 GMT
   Nikrouz Faroughi (faroughi): Approved for CSC Chair
3. Fri, 25 Oct 2019 16:51:34 GMT
   Troy Topping (troy.topping): Rollback to Initiator
4. Fri, 25 Oct 2019 18:56:15 GMT
   Jinsong Ouyang (jouyang): Approved for CSC Committee Chair
5. Fri, 01 Nov 2019 00:26:35 GMT
   Nikrouz Faroughi (faroughi): Approved for CSC Chair
6. Fri, 08 Nov 2019 17:35:20 GMT
   Troy Topping (troy.topping): Approved for ECS College Committee Chair
7. Thu, 21 Nov 2019 19:05:57 GMT
   Kevan Shafizadeh (kevan): Approved for ECS Dean

Date Submitted:Fri, 25 Oct 2019 18:51:55 GMT

Viewing:CSC 258 : Distributed Systems

Last edit:Fri, 08 Nov 2019 17:34:09 GMT

Changes proposed by: Jinsong Ouyang (101068561)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Jinsong Ouyang	jouyang@csus.edu	916-278-7096

Catalog Title:
Distributed Systems

Class Schedule Title:
Distributed Systems

Academic Group: (College)
ECS - Engineering & Computer Science

Academic Organization: (Department)
Computer Science

Will this course be offered through the College of Continuing Education (CCE)?
No

Catalog Year Effective:
Fall 2020 (2020/2021 Catalog)

Subject Area: (prefix)
CSC - Computer Science

Catalog Number: (course number)
258

Course ID: (For administrative use only.)
112621

Units:
3

In what term(s) will this course typically be offered?
Fall, Spring

Does this course require a room for its final exam?
Yes, final exam requires a room

Does this course replace an existing experimental course?
No

This course complies with the credit hour policy:
Yes

Justification for course proposal:
The course doesn't require CSc 204 as a prerequisite. The course doesn't require in-depth knowledge of the Database organization. It contains a DB programming component that requires the knowledge of CSc 134, while fully classified graduate students should finish CSc 134 or the equivalent.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
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), Cloud and Ubiquitous computing. Emphasis on scalability, manageability, security, and dependability of distributed systems.

Are one or more field trips required with this course?
No

Fee Course?
No

Is this course designated as Service Learning?
No

Does this course require safety training?
No

Does this course require personal protective equipment (PPE)?
No

Does this course have prerequisites?
Yes

Prerequisite:
Fully classified graduate status in Computer Science, Software Engineering, or Computer Engineering.

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?
No Approval Required

Course Component(s) and Classification(s):

Seminar

Seminar Classification

CS#05 - Seminar (K-factor=1 WTU per unit)

Seminar Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."

Students will be able to:

(1) Describe the concepts in distributed systems.
(2) Summarize the architectures of distributed systems.
(3) Apply detailed knowledge of distributed protocols, and algorithms.
(4) Design and implement distributed systems using current and emerging technologies.

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.

(1) Term project (ELOs 1-4)
(2) Midterm and Final Exams (ELOs 1-4)

Is this course required in a degree program (major, minor, graduate degree, certificate?)

No

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

Yes

Indicate which department(s) will be affected by the proposed course:

Department(s)
Computer Science

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Graduate (Masters) Learning Goals:

Critical thinking/analysis
Communication
Information literacy
Disciplinary knowledge
Professionalism

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

Is this a Graduate Writing Intensive (GWI) course?

No

Please attach any additional files not requested above:

CSc 258 Syllabus.pdf

Reviewer Comments:

Troy Topping (troy.topping) (Fri, 25 Oct 2019 16:51:34 GMT): Rollback: Please update ELOs with verbs from Bloom's taxonomy on the proposal and your syllabus.

Key: 1106