

# CSC 209: RESEARCH METHODOLOGY

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## In Workflow

1. CSC Committee Chair (tdk@csus.edu;%20jouyang@csus.edu)
2. CSC Chair (faroughi@csus.edu)
3. ECS College Committee Chair (troy.topping@csus.edu)
4. ECS Dean (kevan@csus.edu)
5. Academic Services (torsetj@csus.edu;%20212408496@csus.edu;%20cnewsome@skymail.csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu;%20celena.showers@csus.edu)
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9. Catalog Editor (212408496@csus.edu;%20torsetj@csus.edu;%20cnewsome@skymail.csus.edu)
10. Registrar's Office (wwd22@csus.edu;%20wlindsey@csus.edu;%20sac19595@csus.edu;%20danielle.ambrose@csus.edu;%20h.skocilich@csus.edu;%20205109584@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Mon, 03 Jun 2019 20:57:48 GMT  
Jinsong Ouyang (jouyang): Approved for CSC Committee Chair
2. Tue, 04 Jun 2019 15:37:04 GMT  
Nikrouz Faroughi (faroughi): Approved for CSC Chair
3. Fri, 30 Aug 2019 17:20:41 GMT  
Troy Topping (troy.topping): Rollback to Initiator
4. Wed, 25 Sep 2019 18:11:03 GMT  
Jinsong Ouyang (jouyang): Approved for CSC Committee Chair
5. Wed, 25 Sep 2019 18:17:25 GMT  
Nikrouz Faroughi (faroughi): Approved for CSC Chair
6. Tue, 08 Oct 2019 16:15:56 GMT  
Troy Topping (troy.topping): Approved for ECS College Committee Chair
7. Fri, 11 Oct 2019 17:17:09 GMT  
Kevan Shafizadeh (kevan): Approved for ECS Dean

Date Submitted: Wed, 25 Sep 2019 17:56:04 GMT

## Viewing: CSC 209 : Research Methodology

Last edit: Tue, 08 Oct 2019 16:15:24 GMT

Changes proposed by: Jinsong Ouyang (101068561)

### Contact(s):

| Name (First Last) | Email            | Phone 999-999-9999 |
|-------------------|------------------|--------------------|
| Jinsong Ouyang    | jouyang@csus.edu | 916-278-5769       |

### Catalog Title:

Research Methodology

### Class Schedule Title:

Research Methodology

### 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:

Spring 2020 (2020/2021 Catalog)

### Subject Area: (prefix)

CSC - Computer Science

**Catalog Number: (course number)**

209

**Course ID: (For administrative use only.)**

112471

**Units:**

1

**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:**

Change the prerequisites of CSC 209 so that students' graduation will not be negatively affected due to course scheduling

**Course Description: (Not to exceed 80 words and language should conform to catalog copy.)**

Research methodology, problem formulation, and problem solving. Orientation to the requirements for Master's Thesis or Project. Presentations on various research topics.

**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:**

Enrolled in at least 3 units of 200-level courses in Computer Science.

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

No

**Graded:**

Credit / No Credit

**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**

1

**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 research methodology for computer science
- (2) Summarize the current development and advancement in representative areas of computer science
- (3) Demonstrate written technical communication skills for computer science
- (4) Practice ethical reasoning and recognize plagiarism

**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.**

Student papers: Expected Learning Outcomes (1-4)

Certification test, offered online by Indiana University, on how to recognize plagiarism: Expected Learning Outcome (4)

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

Yes

**Has a corresponding Program Change been submitted to Workflow?**

No

**Identify the program(s) in which this course is required:****Programs:**

MS in Computer Science

MS in Software Engineering

**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  
Intercultural/Global perspectives  
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:**

CSC209Syllabus.pdf

**Reviewer Comments:**

**Troy Topping (troy.topping) (Fri, 30 Aug 2019 17:20:41 GMT):**Rollback: See email communications.

Key: 1079