PHYS 299: SPECIAL PROBLEMS

In Workflow

1. PHYS Committee Chair (mikkel.jensen@csus.edu)
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3. NSM College Committee Chair (mikkel.jensen@csus.edu)
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9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Fri, 13 Sep 2024 20:30:46 GMT
   Mikkel Jensen (mikkel.jensen): Approved for PHYS Committee Chair
2. Fri, 13 Sep 2024 20:30:59 GMT
   William DeGraffenreid (degraff): Approved for PHYS Chair
3. Wed, 16 Oct 2024 22:45:57 GMT
   Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Mon, 21 Oct 2024 20:35:10 GMT
   Chris Taylor (ctaylor): Approved for NSM Dean

New Course Proposal

Date Submitted: Wed, 11 Sep 2024 16:32:58 GMT

Viewing: PHYS 299 : Special Problems

Last edit: Fri, 13 Sep 2024 20:29:34 GMT

Changes proposed by: Rodolfo Barniol Duran (219696192)

Contact(s):

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Catalog Title:
Special Problems

Class Schedule Title:
Special Problems

Academic Group: (College)
NSM - Natural Sciences & Mathematics

Academic Organization: (Department)
Physics and Astronomy

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

Catalog Year Effective:
Fall 2025 (2025/2026 Catalog)

Subject Area: (prefix)
PHYS - Physics

Catalog Number: (course number)
299

Course ID: (For administrative use only.)
TBD

Units:
1-6

Is the ONLY purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?
No

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

Does this course require a room for its final exam?
No, final exam does not require a room

Does this course replace an existing experimental course?
No

This course complies with the credit hour policy:
Yes

Justification for course proposal:
This course is one of the elective courses being proposed as part of a new Master of Science in Physics. The MS program is designed to allow flexibility for students to prepare for PhD programs or to prepare for a career in teaching, industry or government. This elective focuses on graduate research with a faculty supervisor, and thus provides flexibility for students to choose their projects based on their career interests and the faculty supervisor's research program.

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)
Any properly qualified student who wishes to pursue an advanced problem may do so if the proposed subject is acceptable to the supervising instructor. A written technical report must be submitted before a final grade is given. May be repeated for a total of 6 units.

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

Fee Course?
No

Is this course designated as Service Learning?
No

Is this course designated as Curricular Community Engaged 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:
Approval must be obtained from a faculty member under whom the work is to be conducted.

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?
Instructor Approval

Course Component(s) and Classification(s):
Independent Study

Independent Study Classification
S3/CS#25 - Practice Teaching/Workstudy/Thesis Project/Independent Study (S-factor=.5 WTU per student enrolled)
Independent Study Units
1-6

Is this a paired course?
No

Is this course crosslisted?
No

Can this course be repeated for credit?
Yes
How many times can the course be taken (including first time passed)?
6

Total credits allowed (including first time passed)
6

Can the course be taken for credit more than once during the same term?
No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Review literature relevant to the project.	Oral and written reports.
2	Develop a written plan for the project.	Written reports.
3	Apply theoretical and/or experimental skills related to the project's subject.	Work journals or laboratory reports.
4	Synthesize project progress in a written report.	Final written report.

Attach a list of the required/recommended course readings and activities:
PHYS 299 Special Problems.pdf

For whom is this course being developed?
Majors in the Dept

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?

No

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:

Disciplinary knowledge
Communication
Critical thinking/analysis
Information literacy

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

Key: 14761