

# NSM 12T: NSM 12T PEER-ASSISTED LEARNING PHYS 5A

## In Workflow

1. NSM College Committee Chair (tsk@csus.edu)
2. NSM Dean (datwyler@csus.edu)
3. Academic Services (torsetj@csus.edu;%20212408496@csus.edu;%20cnewsome@skymail.csus.edu)
4. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
5. Dean of Undergraduate (james.german@csus.edu;%20celena.showers@csus.edu)
6. Dean of Graduate (cnewsome@skymail.csus.edu)
7. Catalog Editor (212408496@csus.edu;%20torsetj@csus.edu;%20cnewsome@skymail.csus.edu)
8. Registrar's Office (wwd22@csus.edu;%20w lindsey@csus.edu;%20sac19595@csus.edu;%20danielle.ambrose@csus.edu;%20h.skocilich@csus.edu;%20j.espera@csus.edu)
9. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Wed, 17 Apr 2019 22:31:55 GMT  
Thomas Krabacher (tsk): Rollback to Initiator
2. Fri, 20 Sep 2019 21:31:09 GMT  
Thomas Krabacher (tsk): Approved for NSM College Committee Chair
3. Fri, 20 Sep 2019 21:40:13 GMT  
Shannon Datwyler (datwyler): Approved for NSM Dean

## New Course Proposal

Date Submitted: Tue, 17 Sep 2019 21:05:03 GMT

**Viewing: NSM 12T : NSM 12T Peer-Assisted Learning PHYS 5A**

**Last edit: Tue, 17 Sep 2019 21:05:02 GMT**

Changes proposed by: Jennifer Lundmark (101045083)

### Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Jennifer Lundmark	lundmark@csus.edu	916-278-6659

### Catalog Title:

NSM 12T Peer-Assisted Learning PHYS 5A

### Class Schedule Title:

Peer-Assisted Learning PHYS 5A

### Academic Group: (College)

NSM - Natural Sciences & Mathematics

### Academic Organization: (Department)

Natural Sciences and Mathematics

### Will this course be offered through the College of Continuing Education (CCE)?

No

### Catalog Year Effective:

Spring 2020 (2019/2020 Catalog)

### Subject Area: (prefix)

NSM - Natural Sciences and Mathematics

### Catalog Number: (course number)

12T

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

TBD

### Units:

1

**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:**

NSM 12T will provide students who are concurrently enrolled in PHYS 5A with an opportunity to improve their understanding of content and facility with problem-solving, which should improve their performance in the course. In NSM 12T, small groups of students tackle instructor-designed problems with the support of a trained PAL facilitator. This model has been successfully used in mathematics and science courses across the country over the past 15+ years with consistent success.

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

NSM 12T Peer-Assisted Learning PHYS 5A. Discussion, 2 hours. Students concurrently enrolled in PHYS 5A and under the guidance of a trained student facilitator work collaboratively through problem sets designed by a PHYS 5A instructor. Pedagogical strategies that encourage active, engaged learning are employed to facilitate student success in PHYS 5A.

**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?**

No

**Does this course have corequisites?**

Yes

**Corequisite:**

Phys 5A

**Corequisites Enforced at Registration?**

No

**Graded:**

Credit / No Credit

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Discussion

**Discussion Classification**

CS#07 - Fine Arts and Science Activity (K-factor=1.3 WTU per unit)

**Discussion Units**

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

Yes

**How many times (not including first time passed)?**

2

**Total credits allowed (including first time passed)**

3

**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) Work collaboratively with others to find solutions to challenging problems in general physics
- 2) Recognize effective strategies for learning general physics
- 3) Assume greater responsibility for their own success in general physics

**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.**

Students will complete surveys about their own approach and attitudes towards learning general physics (pre and post) [EL #3]

Students enrolled in PALs will be evaluated by PAL Facilitators regarding their approach to problems [EL #2]

Attendance and participation of all enrolled students will be tracked by PAL facilitators and the instructor [EL #1]

**For whom is this course being developed?**

Majors of other Depts

**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)**

Physics

**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

**Undergraduate Learning Goals:**

Competence in the disciplines

Knowledge of human cultures and the physical and natural world

Integrative learning

Personal and social responsibility

Intellectual and practical skills

**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

## GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Please attach any additional files not requested above:

Letter from Physics.pdf  
NSM 12T syllabus Phys 5A.doc

### Reviewer Comments:

**Thomas Krabacher (tsk) (Wed, 17 Apr 2019 22:31:55 GMT):**Rollback: There was not syllabus accompanying the proposal. Please attach one and resubmit. Thanks!

Key: 14044