

# NSM 12S: PEER-ASSISTED LEARNING CHEM 124

## In Workflow

1. NSM Committee Chair (NSM%20Committee%20Chair@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)
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9. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Wed, 01 May 2019 22:18:41 GMT  
Thomas Krabacher (tsk): Approved for NSM Committee Chair
2. Wed, 01 May 2019 22:24:40 GMT  
Lisa Hammersley (hammersley): Approved for NSM Dean
3. Fri, 31 May 2019 21:06:46 GMT  
212408496: Rollback to NSM Dean for Academic Services
4. Tue, 03 Sep 2019 23:36:27 GMT  
Shannon Datwyler (datwyler): Approved for NSM Dean

## New Course Proposal

Date Submitted: Tue, 16 Apr 2019 21:30:04 GMT

**Viewing: NSM 12S : Peer-Assisted Learning CHEM 124**

**Last edit: Fri, 31 May 2019 21:06:44 GMT**

Changes proposed by: Corey Shanbrom (216281872)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
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**Catalog Title:**

Peer-Assisted Learning CHEM 124

**Class Schedule Title:**

Peer-Asst Learning CHEM 124

**Academic Group: (College)**

NSM - Natural Sciences & Mathematics

**Academic Organization: (Department)**

College of Natural Sciences & Mathematics

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

No

**Catalog Year Effective:**

Fall 2019 (2019/2020 Catalog)

**Subject Area: (prefix)**

NSM - Natural Sciences and Mathematics

**Catalog Number: (course number)**

12S

**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 12S will provide students who are concurrently enrolled in CHEM 124 with an opportunity to improve their understanding of content and facility with problem-solving, which should improve their performance in the course. In NSM 12S, 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 12S Peer-Assisted Learning CHEM 124. Discussion, 2 hours. Students concurrently enrolled in CHEM 124 and under the guidance of a trained student facilitator work collaboratively through problem sets designed by a CHEM 124 instructor. Pedagogical strategies that encourage active, engaged learning are employed to facilitate student success in CHEM 124.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Does this course have prerequisites?**

No

**Does this course have corequisites?**

Yes

**Corequisite:**

CHEM 124

**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**

1

**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 organic chemistry
- 2) Recognize effective strategies for learning organic chemistry
- 3) Assume greater responsibility for their own success in organic chemistry

**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 organic chemistry (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 in the Dept

Minors in the Dept

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)
Chemistry

**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:

NSM 12S syllabus Chem 124.doc

C124\_PAL\_Chair letter\_RD[1].docx

Reviewer Comments:

**212408496 (Fri, 31 May 2019 21:06:46 GMT):**Rollback: The 2018-2019 AY has come to a close; proposals were accepted for review until April 20, 2019. Unfortunately, this proposal was received after this deadline and will need to be resubmitted to Academic Services at the start of the fall 2019 semester.

Key: 13882