

NSM 12X: PEER ASSISTED LEARNING CHEMISTRY 6A

In Workflow

1. NSM College Committee Chair (mikkel.jensen@csus.edu)
2. NSM Dean (datwyler@csus.edu)
3. Academic Services (catalog@csus.edu)
4. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
5. Dean of Undergraduate (gardner@csus.edu)
6. Dean of Graduate (cnewsome@skymail.csus.edu)
7. Catalog Editor (catalog@csus.edu)
8. Registrar's Office (k.mcfarland@csus.edu)
9. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Wed, 05 Mar 2025 23:44:49 GMT
Mikkel Jensen (mikkel.jensen): Rollback to Initiator
2. Wed, 19 Mar 2025 23:32:30 GMT
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
3. Fri, 21 Mar 2025 16:09:53 GMT
Chris Taylor (ctaylor): Approved for NSM Dean

New Course Proposal

Date Submitted: Tue, 18 Mar 2025 16:33:09 GMT

Viewing: NSM 12X : Peer Assisted Learning Chemistry 6A

Last edit: Wed, 19 Mar 2025 23:32:21 GMT

Changes proposed by: Jennifer Lundmark (101045083)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Jennifer Lundmark	lundmark@csus.edu	916-278-6993

Catalog Title:

Peer Assisted Learning Chemistry 6A

Class Schedule Title:

Peer Assisted Learning Chem 6A

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:

Fall 2026 (2026/2027 Catalog)

Subject Area: (prefix)

NSM - Natural Sciences and Mathematics

Catalog Number: (course number)

12X

Course ID: (For administrative use only.)

TBD

Units:

1

Is the ONLY purpose of this change to update the term typically offered or the enforcement of existing prerequisites 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:

NSM 12X will provide students who are concurrently enrolled in CHEM 6A with an opportunity to improve their understanding of content and facility with problem-solving, which should improve their performance in the course. In NSM 12X, small groups of students tackle instructor-designed problems with the support of a trained PAL Facilitator. This model has been successfully used in math and science courses across the country over the past 30 years (and on our campus for the past 12 years) with consistent success. Development and implementation of this proposed course has funding support from a federal grant (STEM4Equity); its existence after the grant has run its course will be dependent on data related to student success, and if the course will continue, its budget will be absorbed by the existing PAL program, which continually reassesses its roster of courses.

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)

Students concurrently enrolled in Chem 6A and under the guidance of a trained student facilitator work collaboratively through problem sets designed by a Chem 6A instructor. Pedagogical strategies that encourage active, engaged learning are employed to facilitate student success in Chem 6A.

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?

No

Does this course have corequisites?

Yes

Corequisite:

Chem 6A

Corequisites Enforced at Registration?

No

Graded:

Credit / No Credit

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Activity

Activity Classification

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

Activity Units

1

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)?

3

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 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	Work collaboratively with others to find solutions to challenging problems in chemistry	Attendance and participation of all enrolled students will be tracked by PAL Facilitators and the instructor
2	Recognize effective strategies for learning chemistry	Students will be evaluated by PAL Facilitators regarding their approach to problems
3	Assume greater responsibility for their own success in chemistry	Student approaches and attitudes towards learning chemistry will be assessed by Facilitators

Attach a list of the required/recommended course readings and activities:

NSM 12X syllabus Chem 6A.doc

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)

Chemistry

Kinesiology

Health & Human Services

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
Intellectual and practical skills
Personal and social responsibility

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:

Responses from Departments affected by NSM 12X.docx

Reviewer Comments:

Mikkel Jensen (mikkel.jensen) (Wed, 05 Mar 2025 23:44:49 GMT): Rollback: Remove the catalog description to remove "NSM 12X Peer-Assisted Learning Chem 6A. Discussion, 2 hours." Include LOs in syllabus, and match LO and assessment strategies between the Form A and the syllabus (language should match). Check classification: should the course be CS#04 with a K-factor of 1, instead of a K-factor of 1.3? Add health sciences to departments affected by the proposed course. (Please note submission deadline of March 21.)

Key: 15324