BIO 297A: TEACHING BIOLOGY SEMINAR

In Workflow

1. BIO Committee Chair (kneitel@csus.edu)
2. BIO Chair (kneitel@csus.edu)
3. NSM College Committee Chair (mikkel.jensen@csus.edu)
4. NSM Dean (datwyler@csus.edu)
5. Academic Services (catalog@csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu; celena.showers@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (torsetj@csus.edu)
10. Registrar's Office (wlindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Wed, 20 Oct 2021 03:12:24 GMT
   Jamie Kneitel (kneitel): Approved for BIO Committee Chair
2. Wed, 20 Oct 2021 03:13:58 GMT
   Jamie Kneitel (kneitel): Approved for BIO Chair
3. Thu, 21 Oct 2021 01:55:19 GMT
   Thomas Krabacher (tsk): Rollback to BIO Chair for NSM College Committee Chair
4. Wed, 10 Nov 2021 23:33:15 GMT
   Jamie Kneitel (kneitel): Approved for BIO Chair
5. Thu, 18 Nov 2021 00:09:54 GMT
   Mikkel Jensen (mikkel.jensen): Rollback to BIO Chair for NSM College Committee Chair
6. Thu, 18 Nov 2021 17:10:34 GMT
   Jamie Kneitel (kneitel): Rollback to BIO Committee Chair for BIO Chair
7. Fri, 19 Nov 2021 16:08:57 GMT
   Jamie Kneitel (kneitel): Rollback to Initiator
8. Mon, 29 Nov 2021 18:36:59 GMT
   Jamie Kneitel (kneitel): Approved for BIO Committee Chair
9. Mon, 29 Nov 2021 18:38:32 GMT
   Jamie Kneitel (kneitel): Approved for BIO Chair
10. Wed, 01 Dec 2021 23:17:21 GMT
    Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
11. Wed, 01 Dec 2021 23:25:49 GMT
    Shannon Datwyler (datwyler): Approved for NSM Dean

Date Submitted: Wed, 24 Nov 2021 20:26:55 GMT

Viewing: BIO 297A : Teaching Biology Seminar

Last edit: Wed, 24 Nov 2021 20:26:54 GMT

Changes proposed by: Timothy Davidson (218658792)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Tim Davidson	davidson@csus.edu	916-278-4785

Catalog Title:
Teaching Biology Seminar

Class Schedule Title:
Teaching Biology Seminar

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

Academic Organization: (Department)
Biological Sciences

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

Catalog Year Effective:
Fall 2022 (2022/2023 Catalog)

Subject Area: (prefix)
BIO - Biological Sciences

Catalog Number: (course number)
297A

Course ID: (For administrative use only.)
106711

Units:
1

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

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

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:
Currently, this course is not approved to meet the 18 required 200-level seminar courses for the MS and MA degrees. Approval of this course to meet the 200-level seminar requirement will provide Biological Sciences Graduate Teaching Associate (GTA) students the option of applying these course units to meet degree requirements.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
Training for graduate students who wish to participate in the Department's Graduate Teaching Associate (GTA) Program and others interested in teaching biology. Weekly seminar/discussion session covers educational theory, practical instructional strategies, and faculty policies and regulations for teaching biology courses, with a focus on laboratories. Lecture/discussion.

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:
Acceptance in the GTA Program or instructor permission.

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."
1. Students will be able to interpret and evaluate the primary science education literature pertaining to topics covered in the course schedule (topics change, but always emphasize equity and inclusion in STEM education).
2. Students will be able to apply evidence-based pedagogical strategies in the design and implementation of lessons and assessments appropriate for lower division biology students.
3. Students will be able to reflect on experiences and attitudes about teaching through pre- and post-surveys and to generate weekly essays and a philosophy of teaching statement.

Attach a list of the required/recommended course readings and activities:
Bio 297A Syllabus_Fall 2021 & assessments_updated.pdf

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.
Assessments include: Weekly seminar discussions (ELO 1, 3), Reading reflections (ELO 1, 2*, 3), Article presentation (ELO 1), Teaching statement & peer review (ELO 1, 3), and Teaching surveys & reflections (ELO 3).

*Select Reading reflections will be coupled with an in class lesson planning activity during weeks 4, 6, 8, and 9. See attachment for additional details.

Please note that the attached syllabus includes information on Bio 297B as well, because it is related to and often taken with 297A, although not a corequisite. We only request changes to Bio 297A.

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:

Critical thinking/analysis
Communication
Information literacy
Disciplinary knowledge

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

Reviewer Comments:

Thomas Krabacher (tsk) (Thu, 21 Oct 2021 01:55:19 GMT): Rollback: The NSM CRC is rolling this back to you as requested by Shannon Datwyler.

Mikkel Jensen (mikkel.jensen) (Thu, 18 Nov 2021 00:09:54 GMT): Rollback: Please make the following changes to the form: 1) Explicitly list assessment strategies linked to ELOs on Form A. 2) The Form A course description and syllabus differ; please update. 3) Update catalog year to "Fall 2022", as the course cannot make the Spring 2022 deadline. 4) Syllabus explicitly lists "Not applicable toward 18 unit 200-level course work requirement", which contradicts the Form A course proposal justification. Please update.

Jamie Kneitel (kneitel) (Thu, 18 Nov 2021 17:10:34 GMT): Rollback: Please see email

Jamie Kneitel (kneitel) (Fri, 19 Nov 2021 16:08:57 GMT): Rollback: Please see email

Key: 520