

# BIO 297A: TEACHING BIOLOGY SEMINAR

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## In Workflow

1. BIO Committee Chair (ballerini@csus.edu)
2. BIO Chair (gonzalezorta@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 (gardner@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Fri, 02 Aug 2024 19:25:38 GMT  
Robin Altman (altman): Approved for BIO Committee Chair
2. Tue, 20 Aug 2024 01:23:33 GMT  
Susanne Lindgren (lindgren): Approved for BIO Chair
3. Wed, 04 Sep 2024 22:13:53 GMT  
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Wed, 04 Sep 2024 23:20:49 GMT  
Chris Taylor (ctaylor): Approved for NSM Dean

## History

1. Oct 11, 2022 by Timothy Davidson (davidson)

Date Submitted: Fri, 02 Aug 2024 19:15:02 GMT

**Viewing: BIO 297A : Teaching Biology Seminar**

**Last approved: Tue, 11 Oct 2022 14:00:52 GMT**

**Last edit: Fri, 02 Aug 2024 19:15:01 GMT**

Changes proposed by: Robin Altman (219172578)

**Contact(s):**

Name (First Last)	Email	Phone 999-999-9999
Robin Altman	altman@csus.edu	916-278-2138

**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:**

Spring 2025 (2025/2026 Catalog)

**Subject Area: (prefix)**

BIO - Biological Sciences

**Catalog Number: (course number)**

297A

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

106711

**Units:**

1

**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 term only

**Does this course require a room for its final exam?**

Yes, final exam requires a room

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

To come into compliance with current collective bargaining agreements, we need to revise the course description and prerequisites for BIO 297A as follows: (1) Remove the word "training" from the course description, as BIO 297A is an optional seminar open to any interested graduate students, (2) Remove reference to the Graduate Teaching Associate (GTA) Program in the course description, because this Program is being discontinued, and (3) Revise prerequisites to remove the GTA Program requirement and accurately reflect the breadth of students eligible to enroll.

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

Highly recommended seminar for graduate students who wish to teach biology in higher education. 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

**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:**

Graduate status 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 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	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).	-Weekly seminar discussions -Reading reflections -Article presentation -Teaching statement & peer review
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.	-Reading reflections
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.	-Weekly seminar discussions -Reading reflections -Teaching statement & peer review -Teaching surveys & reflections

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

Bio 297A Syllabus Template.docx

**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  
Professionalism

**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: 520