

BIO 294C: SEMINAR IN SCIENTIFIC COMMUNICATION

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)
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7. Dean of Undergraduate (james.german@csus.edu; renee.leonard@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (wlindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Mon, 12 Sep 2022 15:12:02 GMT
Jamie Kneitel (kneitel): Approved for BIO Committee Chair
2. Mon, 12 Sep 2022 15:18:05 GMT
Jamie Kneitel (kneitel): Approved for BIO Chair
3. Fri, 23 Sep 2022 16:32:11 GMT
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Fri, 23 Sep 2022 16:52:49 GMT
Shannon Datwyler (datwyler): Approved for NSM Dean

Date Submitted: Tue, 06 Sep 2022 20:06:49 GMT

Viewing: BIO 294C : Seminar In Scientific Communication

Last edit: Tue, 06 Sep 2022 20:06:48 GMT

Changes proposed by: Jim Baxter (102010257)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Jim Baxter	jbaxter@csus.edu	916-278-4047

Catalog Title:

Seminar In Scientific Communication

Class Schedule Title:

Seminar In Sci Communication

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 2023 (2023/2024 Catalog)

Subject Area: (prefix)

BIO - Biological Sciences

Catalog Number: (course number)

294C

Course ID: (For administrative use only.)

106651

Units:

1

Is the primary purpose of this change to update the term typically offered or the enforcement of 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 (Last Class)

This course complies with the credit hour policy:

Yes

Justification for course proposal:

The Department of Biological Sciences is making a substantive revision of its MS & MA degree programs. Under this program change, BIO 294C is a new seminar course that provides graduate students with instruction in oral communication in the sciences, including the opportunity to review, discuss, and evaluate norms of oral scientific communication. The course is aimed at improving oral presentation skills, with emphasis on presentation of the thesis or project proposal and delivery of the exit seminar. As a 1 unit course, BIO 294C offers students additional seminar course options and more flexibility to fulfill degree requirements. BIO 294C fills a broad and recognized need among our graduate students for training in oral presentation skills that is applicable to all biology graduate students and will be offered each semester.

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

Review, discussion, and evaluation of scientific communication skills and techniques, with emphasis on oral presentation of the thesis or project proposal and delivery of the graduate exit seminar. Prerequisite: Student must be a Biology major at the master's level to enroll in this class and/or have instructor permission. Graded: Credit / No Credit. Units: 1.0.

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:

Student must be a Biology major at the master's level to enroll in this class and/or have instructor permission.

Prerequisites Enforced at Registration?

No

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?

Yes

How many times can the course be taken (not including first time passed)?

4

Total credits allowed (including first time passed)

4

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	Evaluate and critique peer science communication	Class discussion & reflection, Review and discussion of worst talks, Class discussion and constructive feedback
2	Create a novel oral presentation to communicate complex scientific ideas or hypotheses	Give the worst 3 min talk of your life (topic selected at random), Give the best 3 min talk of your life (same topic as bad talk), Students give oral presentations
3	Understand and apply best practices for communication in a formal scientific setting	Class discussion & reflection, Give the best 3 min talk of your life (same topic as bad talk), Students give oral presentations, Class discussion and constructive feedback
4	Develop skill and self-confidence presenting in front of an audience	Give the worst 3 min talk of your life (topic selected at random), Review and discussion of worst talks, Give the best 3 min talk of your life (same topic as bad talk), Students give oral presentations

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:

Communication
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: 5340