

BIO 500: MASTER'S THESIS

In Workflow

1. BIO Committee Chair (kneitel@csus.edu)
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10. Registrar's Office (w lindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Fri, 21 Oct 2022 23:13:39 GMT
Jamie Kneitel (kneitel): Approved for BIO Committee Chair
2. Fri, 21 Oct 2022 23:20:35 GMT
Jamie Kneitel (kneitel): Approved for BIO Chair
3. Fri, 21 Oct 2022 23:44:49 GMT
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Fri, 21 Oct 2022 23:47:16 GMT
Shannon Datwyler (datwyler): Approved for NSM Dean
5. Wed, 02 Nov 2022 23:56:44 GMT
Katie Hawke (katiedickson): Approved for Academic Services

Date Submitted: Thu, 20 Oct 2022 01:35:36 GMT

Viewing: BIO 500 : Master's Thesis

Last edit: Thu, 20 Oct 2022 01:35:35 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:

Master's Thesis

Class Schedule Title:

Master's Thesis

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)

500

Course ID: (For administrative use only.)

106731

Units:

6

Changes to a course's units impact any related programs. As a result, a corresponding change must also be submitted for those programs

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

This course complies with the credit hour policy:

Yes

Justification for course proposal:

The increase in units from 4 to 6 is part of the program change submitted for the MS in Biological Sciences. The increased culminating experience units more accurately reflects the amount of time and effort required to complete the Thesis.

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

Completion of a thesis approved for the Master's degree. Should be taken in final semester prior to the completion of all requirements for the degree.

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:

Advanced to candidacy and chair permission of his/her thesis committee.

Prerequisites Enforced at Registration?

No

Does this course have corequisites?

No

Graded:

Thesis in Progress

Approval required for enrollment?

Instructor Approval

Course Component(s) and Classification(s):

Thesis Research

Thesis Research Classification

S3/CS#25 - Practice Teaching/Workstudy/Thesis Project/Independent Study (S-factor=.5 WTU per student enrolled)

Thesis Research Units

6

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	Communicate in writing the findings of an original research investigation in the biological sciences and their broader significance.	Assessment: Written thesis. Assessment tool: Thesis Rubric – Written Communication
2	Communicate orally the findings of an original research investigation in the biological sciences and their broader significance.	Assessment: Oral thesis seminar. Assessment tool: Thesis Rubric – Oral Communication.
3	Critically analyze and synthesize findings in the biological literature and original research results and integrate those findings into an appropriate theoretical and discipline-specific context.	Assessment: Written thesis. Assessment tool: Thesis Rubric – Critical Thinking/Analysis
4	Apply a global perspective to the interpretation of original research findings in the biological sciences.	Assessment: Written thesis. Assessment tool: Thesis Rubric – Global Perspectives
5	Conduct an original research investigation that makes a new contribution to the field of biological sciences.	Assessment: Written thesis. Assessment tool: Thesis Rubric – Research Investigation

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

Yes

Identify the program(s) in which this course is required:**Programs:**

MS in Biological Sciences

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
Disciplinary knowledge
Intercultural/Global perspectives
Research (optional)

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: 525