A - New Course Proposal V. 7.2022 : Entry # 3621

DEAN Decision

Approved

Date

01/14/2026

Is this course intracollegiate or intercollegiate?

Intracollegiate

SCHOOL EPC Decision

Approved

Date

03/06/2026

GEC Decision

Approved

Date

04/10/2026

APIRC Decision

Approved

Date

04/17/2026

Begin Form

Today's Date

01/12/2026

Your Name:

Megan Bowman

Your Email:

mbowman6@highpoint.edu

Are you a Department Chair?

No

Department Chair Name

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Matt Talbert

Email address of your Department Chair

mtalbert@highpoint.edu

By checking below, I certify that my department chair has seen and approved the new course that I am proposing.

Yes

Please select the appropriate school overseeing this proposal:

Natural Sciences

When should this proposal take effect?

Fall 2026

Information for the Registrar

Choose the department designator from the list below.

BIO

Proposed Course Number?

1503

Is this course cross listed?

No

Does this course replace a current course?

No

What is the title of the new course?

Principles of Cell Biology Lab for Majors

Write the catalog description of your proposed course:

BIO-1503 is an introductory lab course focused on the chemical, cellular, and metabolic levels of biological organization. The acquisition of basic scientific lab skills including data analysis will be emphasized. Students will learn to preform cell biology techniques, develop and interpret graphical representations of their data, and communicate scientific information in written and oral formats. These goals will be achieved using a research-based approach.

How many credit hours will this course be?

1

How will the course be graded?

Letter grade

Please select the course repeat option for this course:

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Not repeatable for credit

What is the offering cycle for this course?

Fall semester

Does your course have any prerequisites?

Yes

Please list all prerequisites this course requires:

Corequisite: BIO 1500 (lecture) is required to be taken concurrently with BIO 1503 (lab). If not taken concurrently, written department chair approval will be required.

Is this new course being proposed because of a new or revised major or minor proposal?

No

Gen Ed and Academic Programs

Is this course part of Gen Ed?

- Yes

Does your course count in the general education core (one of the core classes that cannot be double-dipped in your major or minor)?

Natural Sciences [NTSCL]

Does your course count in any general education categories that can be double-dipped in the core or in a major/minor?

- Experiential Learning

Does this course count towards a major or a minor?

No, it does not count toward any particular major or minor

Is this course part of an academic program?

- This course does not fulfill academic program requirements

Does this course include any community engagement?

No

Does this course participate in the GoGlobal Program?

No

Information for Curriculum Review

Rationale and evidence for new course's consistency with departmental mission:

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The addition of a majors course designator (BIO 1503) for our BIO 1501 lab will allow us to provide a research-based experiential lab for our biology majors. This will aid to improve retention within our major by providing an authentic, valuable, and accessible experience. A guided semester-based research project allows students to develop a sense of ownership and belonging within the field.

List all student learning outcomes for this course.

By successfully completing this course, you should be able to:
1. Demonstrate proper use of laboratory equipment.
2. Design scientific experiments to understand living systems.
3. Apply quantitative analysis to interpret biological data.
4. Apply concepts from other sciences to interpret biological phenomena.
5. Communicate biological concepts and interpretations in written and oral formats.
6. Identify social and historical dimensions of biological practice.

List any units or content areas that will be required for all sections of this course.

Science communication, interpretation of research data

List any assignments, tests, or other assessments that will be required for all sections of this course.

All sections will be required to formalize their student research in a final oral or poster presentation.

List any readings or other materials that will be required for all sections of this course.

none

List any course policies that will be required for all sections of this course.

WSNS Laboratory Safety Policy

If you would like to specify how requirements for contact hours must be met for all sections of this course, please indicate below. (e.g., if any experiential learning activities will replace seat time)

The laboratory course will meet 2 times per week for 2 hours (4 contact hours).

Is there anything else the reviewing parties should know about this new course proposal that hasn't been addressed?

This course will meet the same objectives as the current BIO 1501 course. Creation of the 1503 designation for majors will allow for simplified registration.

Sample Syllabus

- BIO_1503_Proposal.docx