

UNDERGRADUATE COUNCIL

Request for New Course

Originating unit requesting course: Biology

New course title: Introduction to Biological Investigation

New course number: BIOL 10523

Appropriate computer abbreviation if title is more than 30 spaces: Intro Bio Investigation

Prerequisites for new course:

None

Effective date for course (semester and year): Fall 2022

Instructional methodology (Click in box to the left of the name to select a course type.)

(See departmental chairperson or deans for definition of type.):

- | | | | |
|--------------------------------------|-----------------------------------|--|---------------------------------------|
| <input type="checkbox"/> activity | <input type="checkbox"/> clinical | <input type="checkbox"/> directed study | <input type="checkbox"/> internship |
| <input type="checkbox"/> laboratory | <input type="checkbox"/> lecture | <input checked="" type="checkbox"/> lecture w/integrated lab | |
| <input type="checkbox"/> performance | <input type="checkbox"/> research | <input type="checkbox"/> seminar | <input type="checkbox"/> study abroad |

Description of new course (as it will appear in catalog copy):

This is an inquiry-based laboratory course that provides an introduction to investigative techniques in biology and practice in the analysis and presentation of scientific findings. The topics investigated span the full scope of biology, from molecules and cells through populations and ecosystems. The course consists of one credit hour of lecture and two credit hours of lab, and is designed for science majors.

1. Submit a representative course syllabus that includes the following:

- a. A concise course description including the course purpose (e.g. fulfill part of university, college, or department mission, discipline requirement, program enrichment, etc.) and course instructional methodology (e.g. lecture, laboratory, lecture and laboratory, clinical, internship, etc.)
- b. the goals of the course;
- c. a clear statement of course expectations - essentially, what students shall be expected to do in order to satisfactorily complete the course at different performance levels (generally speaking, what does it take to get an A, B, C, etc.?);
- d. a statement of the faculty member's policies on attendance, make-up work, missed exams, etc;
- e. information concerning major projects or papers and when these assignments must be completed by the students;
- f. information about the number and dates of the exams;
- g. statements reflecting TCU policy regarding accommodations under Americans with Disabilities Act (ADA) ([this disabilities statement](#) MUST be included *verbatim*) and university policy regarding academic misconduct ([this statement](#), while not required, may be used); and
- h. a statement indicating how the instructor can be reached and how office hour requirements will be met.

A [syllabus template](#), which includes these required elements and others, is available from the Koehler Center.

2. Faculty Resources: How will the unit provide faculty support for this course?

Describe how this course will impact other current departmental listings.

This course will replace current BIOL 10501 and 10511 offerings, and will be taught by Dr. Laura Luque and Dr. Mark Demarest, sometimes along with a current Ph.D. candidate in Biology. This course will not negatively impact other current departmental listings, but will improve student preparation for future laboratory work (both in and out of the classroom).

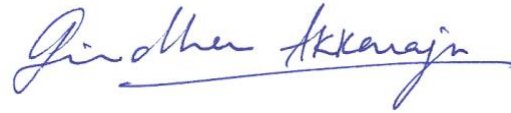
3. Educational Resources: Will this course require additional resources not currently available (e.g., space, equipment, library)? Yes No**4. If this course affects other units of the University, include a statement signed by chairperson of the affected unit(s).**

- **Biochemistry:** will add 1 hour (2 hours BIOL 10501/10511 → 3 hours BIOL 10523)
- **Neuroscience:** will add 1 hour (2 hours BIOL 10501/10511 → 3 hours BIOL 10523)
- **Biophysics:** will add 1 or 2 hours, depending on elective course selection (2 hours BIOL 10501/10511 → 3 hours BIOL 10523)
- **Environmental Science:** will add 2 hours (1 hour BIOL 10501 → 3 hours BIOL 10523)
- **Pre-Health:** will alter our applicants' academic profiles by 1 credit hour in foundational biology (elective course selection (2 hours BIOL 10501/10511 → 3 hours BIOL 10523)

5. If cross-listed, provide evidence of approval of all curriculum committees appropriate to both the originating and cross-listed units.

N/A

6. If this course is to be delivered online, include a letter from the Koehler Center stating that program administrators and identified faculty are working with the Koehler Center to fulfill TCU Distance Learning requirement.

A handwritten signature in blue ink, reading "Jirother Akkara". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Approval signature of chairperson of originating unit

Revised 11/2013