



Syllabus: BIO 299

Course Information

Course Title: Research Practicum

Course Prefix/Number: BIO 299

Semester: Spring 2022

Class Days/Times: MW 5:30-6:15 via Zoom <https://us06web.zoom.us/j/94978806254>

Credit Hours: 1 credit hours

Instructor Information

Name: Dr. Teresa Newberry

Phone/Voice Mail: (520) 479-1523 (Office) (520) 352-9972 (cell)

E-mail: tnewberry@tocc.edu

Office location: [Ha-Mascamdam Ha-Ki: Room 107](#)

Office hours: MW 11:00- 12:30 p.m. via Zoom <https://us06web.zoom.us/j/95318975996>

Course Description

This capstone course provides science majors the opportunity to examine a specific topic related to the concentration the student is pursuing within the field of science. This work will culminate in the production of a thesis-style research paper or research proposal. Utilization of professional literature, both printed and electronic, will be required during the research process. Completion of this project will incorporate communication skills, knowledge of the process of science and synthesis of scientific knowledge.

Course Prerequisites

Declared major in A.S. Life Science or A.A. Life Science and completion of general education requirements.

Student Learning Outcomes

After completion of the course students will be able to

1. Students will be able to synthesize information from multiple sources.
2. Students will be able to use scientific vocabulary and concepts appropriately.
3. Students will be able to conduct critical and creative analysis of a problem.

Course Learning Materials and Textbook Information

None required



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Course Outline

- I. Review of Writing Fundamentals including Proper Citations
- II. Research Methodology
- III. Scientific Research Proposals
- IV. Thesis-style Research Papers

Course Schedule and Important Dates

[LECTURE SCHEDULE FALL 2021 \(See CANVAS for Assignment for updated Due Dates\)](#)

Evaluations and Grading & Assignments:

90 and above is an A

80 - 89 is a B

70 - 79 is a C

60 - 69 is a D

Under 60 is Failing

Your grade will be determined by the following:

GRADE TRACKING SHEET BIO 299	Total	Percent
Research Question	50	5%
Hypothesis	50	5%
Literature Review & Citations (APA Style)	50	5%
Draft Experimental Design	50	5%
Discussion of Variables	50	5%
Introduction & Literature Review Section	100	10%
Methods Section	100	10%
Final Research Paper--Mechanics & Grammar	50	5%
Final Proposal including expected results	300	30%
Final Presentation	100	10%
Participation & Attendance	50	5%
Total	1000	100%



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Himdag Cultural Component

Research Project is designed as a terminal course for students who are finishing their Associate of Science degree program. It will allow students to apply the skills and knowledge they have gained through their program of study toward a thesis-style paper or proposal for a research project. Completion of this project will give the students an opportunity to apply the cultural knowledge and skills they have learned throughout the program and to apply them to a thesis-style research project.

Policies and Expectations

Attendance Policy (Re: face-to-face, synchronous-virtual, or Flex courses)

You are expected to arrive to class on time and be prepared to participate in each class period. Four unexcused absences may result in a letter grade of "F" or an instructor withdrawal "FW" (see 45th-Day Instructor Withdrawal policy). You may request to be excused from class for religious observances and practices, for illness, for school or work-related travel or for personal or family emergency. If you will be absent, please notify the instructor as soon as possible.

Make-up policy:

Late assignments that can be made up will be accepted but will be penalized 10% for each day of tardiness. Failure to submit a project results in a grade of zero (0). An F is a better grade! At the instructor's discretion, extra credit opportunities and optional activities may be provided. No work will be accepted after the last day of class.

Incomplete Policy

Incomplete (I) grades are not awarded automatically. The student must request an "I" from the instructor who can choose to award an Incomplete only if all three of the following conditions are met:

1. The student must be in compliance with the attendance policy.
2. The student must have unavoidable circumstance that would prohibit the student from completing the course.
3. The student must have completed over 75% of the course requirements with at least a "C" grade.

Incompletes are not a substitute for incomplete work due to frequent absences or poor academic performance. Incomplete grades that are not made up by the end of the ninth week of the following semester will be automatically changed to an F if the agreed upon work, as stipulated on the written form signed by the instructor and the student when the I grade is awarded, is not completed.

45th-Day Instructor Withdrawal Policy "FW" (Re: face-to-face, synchronous-virtual, or Flex courses)

Students who have missed four (4) consecutive classes, has not submitted any assignments, nor taken any quizzes by the 45th - day census report, due on **October 6th, 2021** are assumed NOT



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to be participating in the class and may be withdrawn at the faculty member's discretion. After the 45th - day census, if a student needs to stop attending a course, they must withdraw from the course (see Student Withdrawal Policy).

Student Withdrawal Policy "W"

Students may withdraw from class at any time during the first two-third of the semester without instructor permission and without incurring any grade penalty. Please be sure to withdraw yourself by **November 3rd, 2021** if you do not expect to complete the class, otherwise you may receive an "F" letter grade for the course. For more information on the student withdraw process email admissions@tocc.edu.

Special Withdrawals (Y) Grade

The "Y" grade is an administrative withdrawal given at the instructor's option when no other grade is deemed appropriate. Your instructor must file a form stating the specific rationale for awarding this grade. "Y" grades are discouraged since they often affect students negatively. Your instructor will not award a "Y" grade without a strong reason.

Equal Access Statement/Disability Accommodations

Tohono O'odham Community College seeks to provide reasonable accommodations for qualified individuals with disabilities. The College will comply with all applicable regulations, and guidelines with respect to providing reasonable accommodations as required to ensure an equal educational opportunity. This process includes self-identifying as a student with a disability, providing supporting documentation of their disability, and being approved for services through the Disability Resources Office (DRO). It is the student's responsibility to make known to their instructor(s) the student's specific needs within the context of each class in order to receive appropriate accommodations. We will work together in order to develop an accommodation plan specifically designed to meet the individual student's requirements.

For more information or to request academic accommodations, please contact: Anthony Osborn, TOCC Disabilities Resource Coordinator, aosborn@tocc.edu, or 520-383-0033 for additional information and assistance.

Title IX

Tohono O'odham Community College encourages each student to have the knowledge and skills to be an active bystander who intervenes when anyone is observed or being harassed or endangered by sexual violence. Sexual discrimination and sexual violence can undermine students' academic success and quality of life on campus and beyond. We encourage students who have experienced or witnessed any form of sexual misconduct to talk about their experience and seek the support they need.



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Confidential support and academic advocacy can be found with: Student Services Title IX Coordinator/Counselor, Alberta Espinoza, M.Ed. located in I-We:mta Ki: Room 18. Phone 520-383-0033 email: aespinoza@tocc.edu

Conduct: Bias, Bullying, Discrimination and Harassment

Tohono O'odham Community College faculty and staff are dedicated to creating a safe and supportive campus environment as a core value. Harassment based on age, class, color, culture, disability and ability, ethnicity, gender, gender identity and expression, immigration status, marital status, political ideology, race, religion/spirituality, sex, sexual orientation, and tribal sovereign status will not be tolerated.

Classroom Behavior & Netiquette

- Student behavior is also detailed in student handbook under Student Code of Conduct Violations
- Netiquette is a set of rules for behaving properly online. Something about cyberspace makes it easy for people to forget that they are interacting with other real people. The following bullet points cover some basics to communicating online:
 - Be sensitive to the fact that there will be cultural and linguistic backgrounds, as well as different political and religious beliefs, plus just differences in general.
 - Open discussion is an important part of learning and critical thinking especially in a course like this which where we examine complex environmental issues.
 - Use good taste when composing your responses in Discussion Forums. Swearing and profanity will not be tolerated and your message will be removed immediately if it contains either of these.
 - Also, please consider that slang can be misunderstood or misinterpreted.
 - Don't use all capital letters when composing your responses as this is considered "shouting" on the Internet and is regarded as impolite or aggressive. It can also be stressful on the eye when trying to read your message.
 - Be respectful of others' views and opinions.
 - Avoid "flaming" (publicly attacking or insulting) them as this can cause hurt feelings and decrease the chances of getting all different types of points of view.
 - Use good grammar and spelling. Avoid using text messaging shortcuts.

DISCLAIMER

This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.