Course Information Form (CIF)

Course Code: SCI 121

Course Title: Science Scholar Seminar

Department: Natural Sciences
PCS Code: 1.1 - Baccalaureate/Transfer
CIP Code: 30.1801
Repeatability: 3

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 1-0-1
Credit Hour Distribution:

Lecture: 1	Lab: 0	Clinical: 0	**Total: 1**

General Course Information

Catalog Description

Academic and professional development of science students. Includes science education and career exploration, research culture and expectations, research ethics, professional and scientific writing and communication, and other topics leading to success in scientific fields. Mentoring and cohort experiences will be included. Repeatable for a maximum of 4 credit hours.

General Course Objectives

Academic and professional development of science students. Includes science education and career exploration, research culture and expectations, research ethics, professional and scientific writing and communication, and other topics leading to success in scientific fields. Mentoring and cohort experiences will be included.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

None

Methods of Evaluation

9-17 discussion forums, 2-10 writing assignments, and 2-17 activities.

Instructional Materials and Additional Supplies

Instructor-supplied materials.

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Science Study Skills and Professional Materials	1. Create a personal calendar. 2. Individualize course software. 3. Demonstrate the importance of good scientific record keeping skills. 4. Create and reinforce a peer community of learners. 5. Participate in mentoring activities with peers and with near-peers. 6. Revise professional materials such as a CV/resume and personal statement.	5	0	0
Scientific Culture and Practices	1. Describe the various stages of scientific professional development. 2. Discuss the process of obtaining funding for research. 3. Discuss the publication process. 4. Examine research ethics and best practices. 5. Research opportunities for undergraduate research. 6. Discuss challenges within the scientific professional world and efforts to broaden participation and increase inclusivity. 7. Recognize the global and collaborative nature of scientific endeavors.	5	0	0
Scientific Literature and Communication	1. Interpret scientific literature of different types. 2. Use scientific databases to find resources. 3. Summarize and discuss scientific literature. 4. Interpret research faculty websites.	5	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	0	0