



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

SCI 295V, INTRODUCTION TO STEM RESEARCH

Variable Credits (CRN 63510)

Hybrid TBD

INSTRUCTOR: Will Smith

OFFICE: Naauao

OFFICE HOURS (times students may drop in for help): Wed 3:30 – 4:30 pm

TELEPHONE: Office (808) 236-9216 Cell (808) 561-3692

EMAIL: wsmith@hawaii.edu

EFFECTIVE DATE: Fall 2022 2nd 8 weeks 10/17-12/09

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai‘i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko‘olau region of O‘ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

CATALOG DESCRIPTION

SCI 295V offers a research experience in science, technology, engineering, and/or mathematics, emphasizing the application of the scientific method to a specific project. Repeatable for up to 6 credits. (3 hours cooperative education/work experience per week per credit)

Activities Required at Scheduled Times Other than Class Times

None. Student Research Projects will be scheduled with individual students as per their schedule.

STUDENT LEARNING OUTCOMES

Upon completion of the course, the student will be able to:

- Use research and technology skills to access information from multiple sources
- Design and implement a plan to solve a specific STEM-based research project
- Collect, analyze and interpret data generated by the selected research project
- Communicate conclusions in written and/or oral form

COURSE CONTENT

Topics may include:

- Choosing a research topic
- Accessing peer-reviewed articles through library and online resources
- Experiment design

- Data collection
- Data analyses
- Writing a project summary
- Oral and poster presentation skills

COURSE TASKS

Attendance and Participation – This course is emphasizing hands-on project learning. As such, attendance is an essential element to an assessment.

Field and Laboratory Work – Students will be expected to complete field sampling and laboratory tasks based on their individual research experiment design.

Final Report – Students will be expected to complete a final report due the last week of the semester. This report will follow a format of a peer-review publication.

Final Presentation – Students will be expected to present their significant findings either as an oral or as a poster presentation.

ASSESSMENT TASKS AND GRADING

The assignment of points will be according to the following protocol:

Field and Laboratory Work	20 %
Final Report	50 %
Final Presentation	30 %
<hr/> TOTAL	<hr/> 100 %

Letter grades will be assigned as follows:

A	90% or above in total points.
B	80-89.9% of total points.
C	65-79.9% of total points.
D	55-64.9% of total points.
F	Below 55% of total points or informal or incomplete official withdrawal from course.
I	Incomplete; given at the INSTRUCTOR'S OPTION when student is unable to complete a small part of the course because of circumstances beyond his or her control. It is the STUDENT'S responsibility to make up incomplete work. Failure to satisfactorily make up incomplete work within the appropriate time period will result in a grade change for "I" to the contingency grade identified by the instructor (see catalog).
CR	65% or above in total points; the student must indicate the intent to take the course as CR/NC in writing by the end of the 10th week of classes (see catalog).
NC	Below 65% of total points; this grade only available under the CR/NC option (see above and see catalog).
N	NOT GIVEN EXCEPT UNDER EXTREMELY RARE CIRCUMSTANCES (e.g., documented serious illness or emergency that prevents the student from officially withdrawing from the course); never used as an alternative for an "F" grade.
W	Official withdrawal from the course after the third week and prior to the end of the 10th week of classes (see catalog).

Waiver of minimum requirements for specific grades may be given only in unique situations at the instructor's discretion.

LEARNING RESOURCES

A textbook is not required for this course. Students will access learning resources available through Laulima and the WCC Library as needed.

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DISABILITIES ACCOMMODATIONS

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Roy Inouye can be reached at (808) 235-7448, royinouy@hawaii.edu, or you may stop by Hale Kāko‘o 106 for more information.

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Jojo Miller, Confidential Advocate
 Phone: (808) 348-0663
 Email: advocate@hawaii.edu
 Office: Hale Kāko‘o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource
 Phone: (808) 235-7393
 Email: dkahale3@hawaii.edu
 Office: Hale Kāko‘o 101

Karen Cho, Deputy Title IX Coordinator
 Phone: (808) 235-7404
 Email: kcho@hawaii.edu
 Office: Hale ‘Alaka‘i 120

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University’s Title IX resources and the University’s Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/

ALTERNATE CONTACT INFORMATION

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alaka'i 121
- Phone: (808) 235-7422