

HORT/CROP_SCI/SOIL_SCI 495: RESEARCH EXPERIENCE FOR UNDERGRADUATES

Fall 2021

Course Prerequisite: Not open to graduate students. Planned and supervised undergraduate research experience. (Cross-listed course offered as CROP SCI 495, HORT 495, SOIL SCI 495). Department consent required. Research agreement between the student and the research mento/advisor is required before enrolling.

Variable credit (1-4) May be repeated for credit; cumulative maximum 12 hours. 45 hours of approved experience/credit

MEETING SCHEDULE

HORT/CROPS/SOILS 495 is research conducted in the field and/or lab in consultation with your research mentor/advisor. There is no in-class course component.

INSTRUCTOR INFORMATION

Jacob M. Blauer, Ph.D.

Johnson Hall, 137B

Telephone: 509-335-5310 Email: jblauer@wsu.edu

Office hours: by appointment

COURSE MATERIALS

Course website: <https://horticulture.wsu.edu/academics/hort495/>

Scientific literature as recommended by research mentor

STUDENT LEARNING OUTCOMES

Upon completion of the work experience, students will:

1. Demonstrate professional and ethical responsibility,
2. Communicate effectively,
3. Formulate hypotheses, solutions to problems and understand the impact of those solutions in global, economic, environmental, and cultural/societal contexts,
4. Recognize the need to engage in life-long learning and have the ability to be a life-long learner,
5. Utilize knowledge of current issues in approaches to the work assignment,
6. Use modern techniques, skills, and knowledge to address real world problems in a professional setting.

Your mastery of the learning outcomes will be assessed by the content and quality of required assignments, and by your mentor’s evaluation of your performance. All coursework should use proper grammar and spelling.

EXPECTATIONS FOR STUDENT EFFORT

Students are expected to work a minimum of 45 hours on their research project under the direction of their Research Mentor/Advisor per enrolled credit hour.

Grades will be based on: 60% Mentor Evaluation, 10% Student mid-term check-in, & 30% Research Report. The mid-term check-in and the research report will be evaluated & graded by the course instructor. Expectations for these individual assignments are found on the course website or on canvas: <https://horticulture.wsu.edu/academics/hort495/>; <https://wsu.instructure.com/courses/1494127>.

Grading Scale

100-93%	A	76-79%	C+
90-92%	A-	73-75%	C
86-89%	B+	70-72%	C
83-85%	B	66-69%	D+
80-82%	B-	62-65%	D
		< 62	F

To achieve full credit, students should engage in an active, professional dialog with their Research Advisor to ensure appropriate development and progress during the semester. Student mid-term reports must be filled out and submitted before the university mid-term deadline. Final research reports may include: posters, written reports, or oral reports. Format and audience must be approved prior to commencement and final submission by the course instructor for full credit. *The course instructor, or assigned representative, MUST be in attendance of final research report to receive credit.*

Attendance Policy

It is expected students will coordinate with their research mentor/advisor to determine the appropriate working schedule. Students are expected, and will be partially graded upon, their punctuality and professionalism per their mentor’s guidance.

Late Assignments

Late assignments will not be accepted unless appropriate arrangements are made with the course instructor prior the assigned deadline dates. Late approvals will not be issued unless extenuating circumstances, in accordance with university standards, are met. Reasonable effort must be made to notify the course instructor prior.

COVID-19 STATEMENT

Students are expected to abide by all current COVID-19 related university policies and public health directives, which could include wearing a cloth face covering, physically distancing, self-attestations, and sanitizing common use spaces. All current COVID-19 related university policies and public health

directives are located at <https://wsu.edu/covid-19/>. Students who do not comply with these directives may be required to leave the classroom; in egregious or repetitive cases, students may be referred to the Center for Community Standards for university disciplinary action.

ACADEMIC INTEGRITY STATEMENT

Academic integrity is the cornerstone of higher education. As such, all members of the university community share responsibility for maintaining and promoting the principles of integrity in all activities, including academic integrity and honest scholarship. Academic integrity will be strongly enforced in this course. Students who violate WSU's Academic Integrity Policy (identified in Washington Administrative Code (WAC) 504-26-010(4)) will receive a failing grade on the assignment and will not have the option to withdraw from the course pending an appeal, and will be reported to the Center for Community Standards.

Cheating includes, but is not limited to, plagiarism and unauthorized collaboration as defined in the Standards of Conduct for Students, WAC 504-26-010(3). You need to read and understand all of [the definitions of cheating](#). If you have any questions about what is and is not allowed in this course, you should ask course instructors before proceeding.

If you wish to appeal a faculty member's decision relating to academic integrity, please use the form available at communitystandards.wsu.edu. Make sure you submit your appeal within 21 calendar days of the faculty member's decision.

REASONABLE ACCOMMODATION STATEMENT

Students with Disabilities: Reasonable accommodations are available for students with documented disabilities or chronic medical or psychological conditions. If you have a disability and need accommodations to fully participate in this class, please visit your campus' Access Center/Services website to follow published procedures to request accommodations. Students may also contact their campus offices to schedule an appointment with a Disability Specialist. All disability related accommodations are to be approved through the Access Center/Services on your campus. It is a university expectation that students visit with instructors (via email, Zoom, or in person) to discuss logistics within two weeks after they have officially requested their accommodations.

For more information contact a Disability Specialist on your home campus:

- Pullman, WSU Global Campus, Everett, Bremerton, and Puyallup: 509-335-3417 [Access Center](#) (<https://www.accesscenter.wsu.edu>) or email at access.center@wsu.edu
- Spokane: 509-358-7816 [Access Services](#) (<https://spokane.wsu.edu/studentaffairs/access-resources/>) or email j.schneider@wsu.edu
- Tri-Cities: [Access Services](#) (<http://www.tricity.wsu.edu/disability/>) or email g.hormel@wsu.edu
- Vancouver: 360-546-9238 [Access Center](#) (<https://studentaffairs.vancouver.wsu.edu/student-wellness-center/access-center>) or email van.access.center@wsu.edu

ACCOMMODATION OF RELIGIOUS OBSERVANCES

Washington State University reasonably accommodates absences allowing for students to take holidays for reasons of faith or conscience or organized activities conducted under the auspices of a religious denomination, church, or religious organization. Reasonable accommodation requires the student to coordinate with the instructor on scheduling examinations or other activities necessary for course completion. Students requesting accommodation must provide written notification within the first two weeks of the beginning of the course and include specific dates for absences. Approved accommodations for absences will not adversely impact student grades. Absence from classes or examinations for religious reasons does not relieve students from responsibility for any part of the course work required during the period of absence. Students who feel they have been treated unfairly in terms of this accommodation may refer to [Academic Regulation 104 - Academic Complaint Procedures](#).

SEVERE WEATHER POLICY

For severe weather alerts, see: <http://alert.wsu.edu/> and <https://oem.wsu.edu/emergency-procedures/severe-weather/>. In the event of severe weather affecting university operations, guidance will be issued through the alert system.

SAFETY AND EMERGENCY NOTIFICATION – SHORT FORM

Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI's Run, Hide, Fight video and visit the classroom safety page <https://provost.wsu.edu/classroom-safety/>.

SAFETY AND EMERGENCY NOTIFICATION – LONG FORM

Classroom and campus safety are of paramount importance at Washington State University and are the shared responsibility of the entire campus population. WSU urges students to follow the "Alert, Assess, Act," protocol for all types of emergencies and the "Run, Hide, Fight" response for an active shooter incident []. Remain ALERT (through direct observation or emergency notification), ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able).

Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI's [Run, Hide, Fight video](#) and visit the [WSU safety portal](#).

Full details can be found at <https://provost.wsu.edu/classroom-safety/>

IMPORTANT DATES AND DEADLINES

Friday by 5 pm the week of mid-terms, the Student mid-term check-in is due to the course advisor.

Friday by 5 pm the week before finals, the Mentor Evaluation AND the Final Research Reports are due to the course advisor.

DISCRIMINATION AND HARRASSMENT POLICY STATEMENT

Discrimination, including discriminatory harassment, sexual harassment, and sexual misconduct (including stalking, intimate partner violence, and sexual violence) is prohibited at WSU (See WSU Policy Prohibiting Discrimination and Harassment ([Executive Policy 15](#)) and [Standards of Conduct for Students](#) (WAC Code 504-26)).

If you feel you have experienced or have witnessed discriminatory conduct, you can contact the WSU Office of Civil Rights Compliance & Investigation (CRCI) and/or the WSU Title IX Coordinator (see cricwsu.edu/title-ix/) at 509-335-8288 to discuss resources, including confidential resources, and reporting options. (Visit cricwsu.edu for more information).

Most WSU employees, including faculty, who have information regarding sexual harassment or sexual misconduct are required to report the information to CRCI or a designated Title IX Coordinator or Liaison. (Visit cricwsu.edu/reporting-requirements for more info).

STUDENTS IN CRISIS – PULLMAN RESOURCES

If you or someone you know is in immediate danger, DIAL 911 FIRST!

Student Care Network: <https://studentcare.wsu.edu/>

Cougar Transit: 978 267-7233

WSU Counseling and Psychological Services (CAPS): 509 335-2159

Suicide Prevention Hotline: 800 273-8255

Crisis Text Line: Text HOME to 741741

WSU Police: 509 335-8548

Pullman Police (Non-Emergency): 509 332-2521

WSU Office of Civil Rights Compliance & Investigation: 509 335-8288

Alternatives to Violence on the Palouse: 877 334-2887

Pullman 24-Hour Crisis Line: 509 334-1133