

2024 Phenomics Data – REEU Schedule

Activities	Tentative timeline	Responsible Party	Virtual/In-person
Students reach out to mentors to get to know each other and tentative discussion of project and gather relevant materials to read.	15 April – 31 May	Mentor-Student	Self-Organized
Arrival at WSU Campus (for those in Pullman)	1 – 16 June	Office of Undergraduate Research (OUR)	-
Welcome Orientation – CUE Atrium	Thursday, May 30 from 8:30 a.m. – 11:00 a.m	OUR	In-person/Virtual
REEU program evaluation survey <ul style="list-style-type: none"> ▪ Summary of REEU research site and expectations ▪ Evaluators Introduction Dr. Zoe Higheagle Strong Dr. Landon Charlo Meeting with project evaluators	4 June 9.00 – 10.30 am	Mentor	Virtual
REEU research site presentation – <ul style="list-style-type: none"> ▪ Know the mentors/evaluators and their research. Their background, career path, and research directions <ul style="list-style-type: none"> • Dr. Arron Carter • Dr. Mike Pumphrey • Dr. Kate Evans • Dr. Stephen Ficklin • Dr. Subhanshu Gupta 	4 June 10.30– 11.30 am	Phenomics Program	Virtual
Introduction to Ag Basics, Breeding, Genomics, and Phenomics <ul style="list-style-type: none"> ▪ Ag basics – Strategies to improve production and management [Dr. Clarke] ▪ Breeding cycle (genetic gain, process, timeline, challenges) – Field crops [Dr. Arron Carter] ▪ Breeding cycle – Tree fruit [Dr. Kate Evans] ▪ Genomics [Dr. Mike Pumphrey] ▪ Genomics [Dr. Mike Pumphrey] ▪ Phenomics [Dr. Sindhuja Sankaran] 	4 June 11.30 – 12.00 pm 5 June 2.00 – 3.00 pm 5 June 3.15 – 3.45 pm 5 June 3.45– 4.10 pm 11 June 9.00 – 9.45 am 11 June 9.45 – 10.15 am	Phenomics Program	Virtual
Student headshot and brief intro about students for project website [Example: https://labs.wsu.edu/sankaran-phenomics/undergrad-research-exp/students/]	7 June 5.00 pm	Student	Self-Organized
Research project (research-project and mentor preferred) <ul style="list-style-type: none"> ▪ One-on-one meeting with mentor and team. ▪ Research orientation & project development 	Between 3 June or 17 June – depending on start date 1-page document describing brief background and research objectives due at 5 pm on 10 June or 24 June (students starting on 17 June)	Mentor-Student	In-person

<p>Research project (research-project and mentor preferred)</p> <ul style="list-style-type: none"> ▪ Literature review ▪ Research project implementation 	1 June – 3 Aug	<p>Mentor-Student</p> <p>Student</p> <p>Mentor-Student</p>	In-person
<p>Student-faculty interaction and student-student communication</p> <ul style="list-style-type: none"> ▪ REEU student-faculty ▪ REEU student-graduate student/research associate 	1 June – 3 Aug	Mentor-Student	In-person
<p>Student reporting</p> <ul style="list-style-type: none"> ▪ Progress presentation ▪ Abstract submission) ▪ Poster Due to Mentor 	<p>18 July 1-2.30 pm</p> <p>Due: 19 July</p> <p>Due: 31 July (5 pm)</p>	Student	In-person
Professional/career development workshops	<p>Workshop #1 – Tuesday, June 4 from 11:00 a.m. – 12:00 p.m., CUE 405</p> <p>Library Research with Emily Cukier (Science Librarian)</p> <p>Workshop #2 – Tuesday, June 11 from 11:00 a.m. – 12:00 p.m., CUE 405</p> <p>Resume/CV – Part 1 (learn how to create an effective resume/CV) – Harrison Hughes, Career Coach and Academic Advisor, Academic Success and Career Center</p> <p>Workshop #3 – Tuesday, June 18 from 11:00 a.m. – 12:00 p.m., CUE 405</p> <p>Developing Mentoring Teams</p> <p>Join us to learn how to build relationships with your mentors and create effective mentoring teams.</p> <p>Workshop #4 – Tuesday, June 25 from 11:00 a.m. – 12:00 p.m., CUE 405</p> <p>Resume/CV – Part 2 (bring your resume/CV to receive feedback) – Harrison Hughes, Career Coach and Academic Advisor, Academic Success and Career Center</p> <p>Workshop #5 – Tuesday, July 2 from 11:00 a.m. – 12:00 p.m.,</p>	OUR	In-person/virtual(Pullman students are expected to attend in-person)

	<p>CUE 405 How to Write an Abstract with Jeremy Lessmann (Director, Undergraduate Research)</p> <p>Workshop #6 – Tuesday, July 9 from 11:00 a.m. – 12:00 p.m., CUE 405 • Mindfulness with Trymaine Gaither (Special Assistant to the Provost for Inclusive Excellence) No zoom component for this week’s workshop</p> <p>Workshop #7 – Tuesday, July 16 from 11:00 a.m. – 12:00 p.m., CUE 405 • How to Create a Research Poster with Jeremy Lessmann (Director, Undergraduate Research)</p> <p>Workshop #8 – Tuesday, July 23 from 11:00 a.m. – 12:00 p.m., CUE 405 Graduate School with Raymond Herrera (Associate Vice Provost, Graduate School)</p>		
Introduction to Extension (Dr. Lisa DeVetter)	18 July 12-1 pm	Phenomics Program	Virtual In-person
Transgenic Crops- the methods, pros and cons of GMOs and biotechnology (Dr. Michael Neff)	16 July 9-10.30 am	Phenomics Program	Virtual In-person
Field Trip (Wenatchee, WA, Host: Dr. Kate Evans) Stemilt Growers – Processing Plant Visit Visit to WSU Tree Fruit Research and Extension Center and Boxed Lunch Visit to Breeding Program Fruit Lab Visit to WSU Columbia View Research Orchards: Apple Scion and Pear Rootstock Breeding Plots	17 July	Phenomics Program	In-person
Field Day Participation (Host: Dr. Mark Pavek) + Additional field days recommended by mentors (WA 64 apple field day, red raspberry field day, etc.)	Potato Field Day 27 June	Phenomics Program	In-person
Poster submission for print	30 July	Phenomics Program	Virtual
▪ Poster presentation and participation at WSU Summer Research Symposium	2 Aug	OUR	In-person
Entertainment			

<ul style="list-style-type: none"> ▪ https://summerresearch.wsu.edu/summer-in-pullman/ [In Pullman] ▪ https://www.tripadvisor.com/Tourism-g58820-Wenatchee_Washington-Vacations.html [Wenatchee] 	1 June – 3 Aug	Self-organized	In-person
REEU program evaluation survey	31 July	Phenomics Program	In-person
Departure from WSU campus	3 Aug	-	-
Post-Summer Program Survey		OUR	Online