

# Summer Experiences

## Environmental Studies Institute

Please note this a sample schedule only and all activities are subject to change.

### Schedule

- Morning Session (9:00am-12:00pm)
- Lunch (12:00-1:30pm)
- Afternoon Session (1:30-3:30pm)
- Independent Study/Academic Support Time (3:30-4:30pm)

Morning Session: You will engage with some of the most influential academic publications and resources that examine our planetary environment and how to sustain ecosystems and their services for human health and wellbeing. These are seminal pieces that have shaped academic research agendas, informed policy makers, and influenced the way global leaders think about the world today. You will receive lectures, participate in classroom discussion, and take part in classroom activities, such as scientific literature critiques, small group discussions, and “what you can do” explorations of case studies, to build a deeper understanding of the mechanisms at work and practical experience in their application through problem solving, critical thinking, team building, and communication skills. You will be expected to complete several assignments and readings outside of class, some of which were emailed to you before the start of the program.

Afternoon Sessions: You will continue to build your knowledge outside the classroom as you engage with outside discussants through guest lectures, field trips, and small group activities.

### Final Project

Throughout the two weeks, you will work together in teams to research, analyze, and develop a case study proposal to address pressing local, regional, and/or global issue in environmental sustainability. Classroom experiences will tie in with the team projects to reinforce learning. Along the way, you will practice communication, organization, strategy, and negotiation skills as you work together to come up with solutions. Your instructor will provide further details.

### Attendance

Timeliness and earnest engagement in all sessions is imperative to the general success of the institute and of your performance. Take care to attend each session on time every time. Teaching Assistants will take attendance at all sessions. You are required to attend every session unless otherwise approved.

### Participation in Class Activities

Students are expected to actively participate in discussion, ask questions, and contribute during active learning sessions. While it is sometimes difficult to speak in class, your comments are valued as contributions to the collective understanding of course materials; actively participating will reinforce your grasp of the concepts, correct misunderstandings, and inspire deeper thought.

### Professionalism

Please remember to treat everyone with patience and respect. Acknowledge and respect diversity and difference of opinion. Give your classmates the benefit of the doubt and express your concerns in a respectful way. Respect also includes using technology appropriately and considerately. Our classroom is a cellphone and internet free environment. Individual permission may be given for using word-processing programs in class. Please respect the rights of others to learn.

### Academic Integrity

As a member of our academic community you are bound by honor regarding your academic work. Academic dishonesty includes, but is not limited to, cheating, fabricating information or citations, facilitating acts of academic dishonesty by others, submitting work of another person or work previously used as your own, or tampering with the academic work of others. **Plagiarism will not be tolerated.** To view the policy visit: [studentconduct.wustl.edu/academic-integrity/policies-and-procedures/](http://studentconduct.wustl.edu/academic-integrity/policies-and-procedures/).

### Student Performance Evaluation

Students are evaluated based on attendance, participation in class activities, interaction with peers, professionalism,

quality of work produced, asking for assistance when needed, as well as their ability to adhere to academic integrity standards and program policies. At the end of the program, students who have met the expectations of the program will receive a certificate of completion, letter of endorsement, and a completed performance evaluation. This is a noncredit program. Grades are not issued. A copy of the student performance evaluation is attached.

### Schedule and Reading Assignments

Date	Morning Session	Afternoon Session
Day 1	<p>“Global Calls for Sustainable Actions” Lecture</p> <p>Course introductions; team and topic assignments; Problem-and Case-Based Learning guidelines; Think-Pair-Share activities guidelines</p> <p><i>Homework: Read textbook, chapter 2 and answer discussion questions 4, 5, and 6.</i></p>	<p>Schedule overview, evaluation expectations, and emergency procedures.</p> <p>Case Study: “The Fish Kill Mystery”</p>
Day 2	<p>“Environmental Studies: Past, Present, and Future” Lecture</p> <p><i>Homework: Read Millennium Ecosystem Assessment articles</i></p>	<p>Viewing and Discussion of “Plastic Paradise”</p>
Day 3	<p>“Environmental Systems: Thresholds, Conservation, and Restoration” Lecture</p> <p><i>Homework: Read textbook, chapters 6-8 and answer discussion questions as follows:</i></p> <p><i>chapter 6: 1, 2, and 7</i></p> <p><i>chapter 7: 7</i></p> <p><i>chapter 8: 1, 2, 3, 4, 5, and 6</i></p>	<p>Case Study: “A Trip to the Beach: Untangling the Mystery of Algal Blooms in the Great Lakes.”</p>
Day 4	<p>“Economics, Globalization, and Consumerism” Lecture</p> <p><i>Homework: Read textbook chapters 3, 9, and 12 and answer discussion questions as follows:</i></p> <p><i>chapter 3: 2, 3, 6, 7, and 8</i></p> <p><i>chapter 9: 1 and 2</i></p> <p><i>chapter 12: 1, 3, 4, 5, and 6</i></p>	<p>Field Trip: St. Louis Science Center “Grow” Exhibit</p>
Day 5	<p>“Pollution Solutions” Lecture</p> <p><i>Homework: Read textbook, chapter 16 and answer discussion questions 2 and 5</i></p>	<p>GIS guest lecture and workshop</p>
Day 6	<p>“Water, Water Everywhere” Lecture</p> <p><i>Homework: Read textbook, chapter 13 and answer discussion questions 2, 4, 5, and 6.</i></p>	<p>Field Trip: Missouri Botanical Gardens</p>
Day 7	<p>“Climate, Food, and Energy” Lecture</p> <p><i>Homework: Read textbook, chapters 4, 5, and 14 and answer discussion questions as follows:</i></p> <p><i>Chapter 4: 1, 4, and 7</i></p> <p><i>Chapter 5: 1, 3, 5, and 6</i></p> <p><i>Chapter 14: 1, 5, 6, and 8</i></p>	<p>Office of Sustainability</p> <p>Tour of campus, Global Climate Change Debate</p>
Day 8	<p>“Sustainable Urban Systems and Urban Agroecology and Into Action” Lecture</p> <p><i>Homework: Read textbook, chapter 10-11 and 15 and answer discussion questions as follows:</i></p> <p><i>Chapter 10: 4, 5, and 6</i></p> <p><i>Chapter 11: 7</i></p> <p><i>Chapter 15: 3, 4, 5, and 6</i></p>	<p>Afternoon to work on final projects</p>
Day 9	<p>Institute Wrap-up</p>	<p>Final Project Presentations</p>