

Sustainable Cities and Societies (RNR 256, PLG256, GEOG256)

T/Th, 3:30-4:45

8/27/19

Instructor: Dr. Philip Stoker, Arch A303F, philipstoker@email.arizona.edu. Office hours are by appointment (send me an e-mail), Monday through Thursday, 3:00 to 5:00 in ARCH 303F.

Teacher Assistants:

Course Website: <http://d2l.arizona.edu/>

Course Description: Cities around the globe are working to be more sustainable in response to social, economic and environmental problems. This course introduces you to the sustainability paradigm and the role that urban planning and design can play. We will explore issues ranging from economic sustainability to the conservation of natural resources, urban sprawl, and consumerism. We will consider alternatives that promote sustainable cities, such as walkability, green building, and biodiversity.

Course Objectives

My overall objectives for this course are for you to develop the following:

- Increased understanding of ways in which urban planning and design can contribute to sustainable natural resource consumption.
- Working knowledge of the current trends in natural resources that support cities across the world.
- Clear and descriptive writing that is concise and accurate.

Grading: Student performance will be evaluated through four exams, weekly writing assignments, an essay and extra credit. Lectures are important in this course and will be essential to complete assignments and exams. Final grades will follow the UA standard (90% or higher = A, 80-90% = B, 70-80% = C, 60-70% = D, <60% E).

	Item	Weight	
	Exams (4)	50%	
	Writing Assignments (~25)	50%	
Extra	Total Possible	100%	Credit:

You can earn extra credit from answering in-class clicker questions. Extra credit will be assigned by the number of correct answers to clicker questions. To be eligible, you must answer at least 50% of clicker questions that are asked throughout the semester. Below 50% will not receive any extra credit points. However, above 50% the more clicker questions that you answer correctly the more extra credit you can earn! Each exam will also have a number of extra credit questions.

What you'll need: A Clicker from the US Bookstore, or the clicker app. All readings will be posted on the D2L website. Bring a notepad to class because computers and phones not allowed, however you will need a laptop computer for the exams with *Respondus Lockdown* installed and operating.

Attendance: You are expected to attend lectures for this class and the exams are based entirely off of lecture materials. You will be expected to arrive on time and stay for the duration of class. You will find that class often

ends early, and **always starts on time**. If you attend class regularly you should do well on the exams and the assignments. This class is designed to be easy and informative if you attend lectures.

Participation: During the lectures I will ask questions based off of the lecture material that you can answer using your clickers. We will keep track of all the clicker questions you answer throughout the semester.

Administrative Drops: Students will receive written warning if they violate class expectations. If any student violates classroom expectations more than once they will be administratively dropped.

Exams and Projects: Exams must be taken in class during designated class periods. Make-up exams will be given only if the student provides an acceptable excuse for her/his absence. Students who are unable to provide verification will receive a score of 0 for the exam.

COURSE POLICIES

The UA's policy concerning Class Attendance, Participation, and Administrative Drops is available at: <http://catalog.arizona.edu/policy/class-attendance-participation-and-administrative-drop>

The UA policy regarding absences for any sincerely held religious belief, observance or practice will be accommodated where reasonable, <http://policy.arizona.edu/human-resources/religious-accommodation-policy>.

Absences pre-approved by the UA Dean of Students (or Dean Designee) will be honored. See: <https://deanofstudents.arizona.edu/absences>

Makeup policy for students who register late

The start of classes is posted months in advance and there will be no opportunity to make up work for students who register late. Extreme or extenuating circumstances will be considered by the instructor.

Code of Academic Integrity:

Every semester I catch several (10+) students plagiarizing or cheating. Students are governed by the University of Arizona's Student Code of Conduct and the Code of Academic Integrity which are available in the office of the Dean of Students. Of particular importance is that they recognize that all forms of student academic dishonesty including cheating, fabrication, facilitating dishonesty, and plagiarism will lead to disciplinary action. Fabrication means the intentional falsification or invention of any information or citation and plagiarism means intentionally or unintentionally representing the words or ideas of another as one's own. Any individual caught plagiarizing, cheating, and fabricating will automatically fail the assignment/quiz/exam. The professor will pursue disciplinary actions and the Dean of Students may impose additional disciplinary actions, including suspension or expulsion from the University of Arizona upon a second instance of a violation of academic integrity. Plan on failing with a permanent notation on your transcript if you decide to plagiarize or cheat.

Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed.

Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See: <http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>.

The University Libraries have some excellent tips for avoiding plagiarism, available at <http://new.library.arizona.edu/research/citing/plagiarism>.

Selling class notes and/or other course materials to other students or to a third party for resale is not permitted without the instructor's express written consent. Violations to this and other course rules are subject to the Code of Academic Integrity and may result in course sanctions. Additionally, students who use D2L or UA e-mail to sell or buy these copyrighted materials are subject to Code of Conduct Violations for misuse of student e-mail addresses. This conduct may also constitute copyright infringement.

Classroom behavior policy

To foster a positive learning environment, students and instructors have a shared responsibility. We want a safe, welcoming, and inclusive environment where all of us feel comfortable with each other and where we can challenge ourselves to succeed. To that end, our focus is on the tasks at hand and not on extraneous activities (e.g., texting, chatting, reading a newspaper, making phone calls, web surfing, etc.). Students are asked to refrain from disruptive conversations with people sitting around them during lecture. Students observed engaging in disruptive activity will be asked to cease this behavior and will receive a written warning. Those who continue to disrupt the class will be asked to leave lecture or discussion and will be reported to the Dean of Students. Repeated violations will result in an administrative drop. The use of personal electronics such as laptops, iPads, and other such mobile devices is distracting to the other students and the instructor. Their use can degrade the learning environment. Therefore, students are not permitted to use these devices during the class period.

Threatening Behavior Policy

The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to oneself. See <http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students>.

UA Nondiscrimination and Anti-harassment policy

The University is committed to creating and maintaining an environment free of discrimination; see <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>. Students can expect that the professor will provide a safe and respectful learning environment, and will ensure that students adhere to this policy.

Accessibility and Accommodations

At the University of Arizona, we strive to make learning experiences as accessible as possible. If you anticipate or experience barriers based on disability or pregnancy, please contact the Disability Resource Center (520-621-3268, <https://drc.arizona.edu/>) to establish reasonable accommodations.

Subject to change statement

Information contained in the course syllabus, other than the grade and absence policy, may be subject to change with advance notice, as deemed appropriate by the instructor.

Accessibility and Accommodations: Our goal in this classroom is that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please let me know immediately so that we can discuss options. You are also welcome to contact the Disability Resource Center (520-621-3268) to establish reasonable accommodations. For additional information on the Disability Resource Center and reasonable accommodations, please visit <http://drc.arizona.edu>.

If you have reasonable accommodations, please plan to meet with me by appointment or during office hours to discuss accommodations and how my course requirements and activities may impact your ability to fully participate. **Please be aware that the accessible table and chairs in this room should remain available for students who find that standard classroom seating is not usable.**

UA Nondiscrimination and Anti-Harassment Policy: The University is committed to creating and maintaining an environment free of discrimination; <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

This course supports elective gender pronoun use and self-identification; rosters indicating such choices will be updated throughout the semester, upon student request. As the course includes group work and in-class discussion, it is vitally important for us to create an educational environment of inclusion and mutual respect. Inclusive Excellence is a fundamental part of the University of Arizona's strategic plan and culture. As part of this initiative, the institution embraces and practices diversity and inclusiveness. These values are expected, respected and welcomed in this course. Office of Diversity (<http://diversity.arizona.edu/>)

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Tentative Semester Schedule

<i>Date</i>	<i>Notes</i>
8-27	Course Introduction
8-29	Energy
9-3	Urban Energy Strategies
9-5	Air Quality
9-10	Urban Air Quality Strategies
9-12	Class Cancelled
9-12	Climate Change
9-17	Class Cancelled
9-19	Urban Climate Change Strategies
9-24	Exam
9-26	Sustainability Theories

10-1	Ethics
10-3	Biodiversity
10-8	Biodiversity
10-10	Biodiversity
10-15	Green Infrastructure
10-17	Exam
10-22	Agriculture
10-24	Water
10-29	Water
10-31	Water
11-5	Exam
11-7	Toxicity
11-12	Urban Metabolism
11-14	Guest Lecture
11-19	Guest Lecture
11-21	Forests and Fisheries
11-26	Flex Week
11-28	Flex Week
12-3	Flex Week
12-5	Course Conclusion
12-10	Final Exam