

SYLLABUS FOR THE COURSE CMP 3200: ECOLOGY OF HUMAN SETTLEMENT

Class Number: 18419 Component: Lecture & Lab Type: Hybrid Units: 3.0

Class Room: U302

Class hours: Wednesday, Friday 3:30 PM to 4:50 PM

Instructor:

Name	Email Address	Office Location & Hours
Reazul Ahsan	reazul.ahsan@utah.edu	Room UAC 845
Teaching Assistant	Email Address	Office Location & Hours

COVID-19 Concern

LEVEL	DECISIONMAKERS	UAC OPERATIONS
Green	Cases under 30 per day for a sustained period Official government notice to return to unrestricted options	Face masks not required inside the classroom Unrestricted building access No social distancing
Yellow	Korean Cases between 30 – 100 per day for a sustained period Official government notice for social distancing and other health practices to prevent the spread of COVID-19	Student and faculty required to wear masks inside classroom Building access restricted Daily temperature checking Social distancing within the class
Orange	Korean cases over 100 per day for a sustained period Local (Seoul metropolitan areas, Gyeonggi Province, Incheon) cases between 50 -75 per day for a sustained period Official notice of “super-spreader” or local cluster Official government notice for stricter social distancing and other health practices to prevent the spread of COVID-19	Hybrid offerings for courses Building access and movement is restricted Daily temperature checking
Red	Confirmed COVID-19 case with Incheon Global Campus Korean cases over 150 per day for a sustained period Local (Seoul metropolitan areas, Gyeonggi Province, Incheon) cases over 75 per day for a sustained period	Courses moved to online except for those that require a practical component Building access and movement within restricted Daily temperature

Official government notice for stricter social distancing and other health practices to prevent the spread of COVID-19
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Course Requirements

Department of City & Metropolitan Planning: Required for both Urban Ecology Major and Minor and the majors of Architecture and Multi-Disciplinary Design. General Education/bachelor's degree Requirement: Social/Behavioral Science (BF)

Course Description

This course explores the complex social-ecological systems that arise in locations of long-term, concentrated human occupation (human settlements). With foundations in ecology, complex systems, and planning, it covers the unique characteristics of human settlements, including the consequences of alterations to natural flows and cycles of water, energy and materials, and biodiversity viewed through a multi-scalar perspective. Examples of specific topics include urban hydrology, environmental pollutants, green infrastructure, urban metabolism, climate, urban agriculture, and quality of life. Concepts of resilience, complex adaptive systems, watersheds, human habitat, community dynamics, and ecosystem services.

Under this course there will be a mix of instructional activities and assignments, including: readings and videos, lectures, discussion forums, small group online activities, weekly assignments and a final module assessment. The modules will be cumulative, that is, concepts from earlier modules will apply to later modules!

Urban ecology as a discipline is highly experiential – ecological information is all around us. The general approach of this course will be to combine the conceptual and the observational, as well as the theoretical and the applied. Although we won't all be meeting in person in a classroom, some of the class assignments will send you out into the world to observe and collect information. The online group meetings will allow students to share their observations and ideas with one another.

Objectives

Our primary objectives for the class are to:

- Students successfully completing this course will come away with a strong *conceptual understanding* of ecological principles and concepts presented, such as complex adaptive systems, cycling of matter and energy, resilience, etc.
- Students will be able to *illustrate these principles with examples and observations* from a variety of contexts and identify key similarities and differences between them.
- Students will be able to *situate* human activities such as planning and design within a broader understanding of processes that shape urban ecosystems.
- Students will be able to *apply ecological thinking and processes of inquiry* to a variety of issues and challenges related to human settlements.

This course will prepare you for more study as an urban ecology major, multi-disciplinary design or architecture major (and many others, including business, political science, public health, civil engineering, environmental studies, transportation engineering and planning, landscape architecture, urban design, medicine, etc.).

Learning Outcomes

Students can expect to acquire basic knowledge and begin to develop skills in the following areas

- Concept of Ecology and how its change on human settlement
- The roles of the built environment professions (planning, urban design, landscape architecture, architecture, civil engineering, law, etc.), in shaping human settlements
- Understand the Complex system of Ecology
- The concept of urban system
- Ecology carrying capacity
- Urban changes and urban carrying capacity
- Social, environmental and economic justice

Conduct of the class: This Course Would perform as a **Hybrid Model**

1. **OPTION B HYBRID:** This course will have lecture days and lab design each week. During lecture days, students will participate an **IVC** (Interactive Video Conference) format or content will be delivered all online, and during lab days, students will participate in-person.

IVC: IVC means student will participate in the class through Zoom, but as it is interactive student and the instructor perform as an active class. Where each participant (including instructor and student) have to have their device **Camera On** and **Clear student face Visibility** response through their **device mic**.

Otherwise a student will not obtain his/her attendance for that particular class.

In the class a variety of teaching techniques will be use: lecture, guest lectures, videos and group exercise and lab exercise. These techniques will help the student understand the practice of urban planning and service as a stepping stone for further education.

Student Responsibility

Each student will be expected to accept the following responsibilities:

Participate in the class discussion. Students should watch carefully that deadlines, schedules, and obligations are met during the progress of the project. Review and read course materials provided

Attend class.

This is mandatory without attending class and without participating in class discussion you may not get the Attendance grade which is 10% of the total.

Zoom Session Statements

If this course must host Zoom sessions, the University of Utah Asia Campus requires that all students turn on their cameras during the entire course and post their full name in English. We ask that students try to locate a quiet space that will allow for ample social distancing and that students not wear a mask if possible. If a student has financial difficulty obtaining the appropriate equipment for online courses, the UAC can help provide resources.

It is recommended that Zoom sessions be conducted synchronously. Faculty are not required to record their zoom sessions; this is an individual faculty decision.

Course materials

Required text

This course is mostly learning by doing. Students will go for field trip to explore the reality and use their understanding on learning planning process and methods. All the supporting materials will be provided by the instructor. Yet following are the reading materials we will use during our class.

Ecosystem and Human Well-Being 2009

- Available online <https://unhabitat.org/planning-sustainable-cities-global-report-on-human-settlements-2009> You can download with your UID

Optional Materials

All the in class design materials will be provided by the department. Those are common properties and student can share those during their lab working session.

Course Assignments/ Student tasks

Class reading: Students are required to read assigned articles to improve their understanding on complex system and urban ecology. **All together 3 readings, each reading is a complete reading to understand** the concept and progress of sustainability. They also need to make a small 2 slides of presentation on their understanding to share with the class

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- **1st reading Due on 7th Apr. 2021. Complex System.**
- **2nd reading Due on 28th Apr 2021. Urban Ecology and Diversity**
- **3rd reading due on 21st May 2021. Air quality and Ecosystem**
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Assignments (GD): Students are also required to complete outdoor assignments to have an idea on surrounding Ecosystem and Nature. This would include natural sample collection and study them. **will not get any**

point..... 20%

- **1st Assignment 5th Mar 2021 City Scavenger Hunt**
- **2nd Assignment 26th Mar 2021 Complex System Modeling**
- **3rd Assignment 21st Apr 2021 Social Ecology Assessment**
- **4th Assignment 26th May 2021 Urban Water Quality**

Learning Performance: This is a critical thinking Assignment. Where students will divide in to two group and will explain what they learn. Also each group will evaluate others what they miss from the module.

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- **1st Learning Performance due 14th April, 2021. Evaluation Module 1 and 2**
- **2nd Learning Performance due 26th May 2021. Urban Diversity**

Quiz test: Students will have a Class Quiz after every two modules to improve their understanding and practice their

knowledge they learn from the lecture 20%

- **Class Quiz 1 due on 12th March Human impact on Ecosystem and bio-diversity**
- **Class Quiz 2 due on 9th April on Complex system**
- **Class Quiz 3 due on 30th April on Urban Ecology**
- **Class Quiz 4 due on 28th May on Urban Air and water**

Final project: Urban Diversity.25%

Attendance and Class participation 10%

Grading scale

	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Score	93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59
GPA	4	3.7	3.3	3	2.7	2.3	2	1.7	1.3	1	0.7	0

Course and Class Plan

Date	Topic	Learning outcome
Module 01 Understanding Ecology and Human Settlement Context		
Feb 24	Introduction of the course plan, Assignments work plan	How to progress
Feb 26	History of human settlement and change on Env	Knowing settlement pattern
Mar 3	Cont Human settlement	Human settlement history
Mar 5	1 st Assignment & Linking urban ecology Understanding Cities	Ecology & Settlement
Mar 10	Human Impact on Biodiversity	Change on Environment
Mar 12	1 st Quiz & Knowing Urban Ecology	Cities and Ecosystem
Module 02 Complex system		
Mar 17	Understanding the complex system	Complex system idea
Mar 19	Introduction to complex system in Urban and Society	Social Context
Mar 24	Complex system in natural World	Urban changes and change of Ecology
Mar 26	2 nd Assignment & Complex Adaptive system	Urban Ecosystem
Apr 7	1 st reading Assign & Cities as Social Ecological System	Social Ecology
Apr 9	2 nd quiz & Social Ecological complex	Urban Ecosystem and changes
Module 03 Urban Ecology		
Apr 14	Learning Performance 1 Ecology and Urban system	Urban Ecology
Apr 16	The Ecology of Human	Interaction between Human & Ecology
Apr 21	Cities as Social Ecological system	Eco concept in planning
Apr 23	Urban Industrial ecology	Industrial system and Ecology
Apr 28	2 nd Reading Assign & Health and Ecosystem	Health and ecosystem
Apr 30	3 rd Quiz & Energy and material in Eco system	Energy and Ecosystem
Module 04 Air and Water		
May 7	Urban air pollution and urban management	Air quality

May 12	Ecosystem and Air Quality	Guest lecture
May 14	Urban Water System	Water resources
May 21	3 rd Reading Biodiversity in urban context	Learning and analysis phase
May 26	Learning Performance 2 & Urban Diversity	
May 28	4 th Quiz. Preparation for Final Presentation	
Final Exam		
June 2	Workshop on urban Diversity	
June 4	Final Presentation	

Additional Information and Resources

Student-Faculty Responsibilities

Faculty must strive in the classroom to maintain a climate conducive to thinking and learning. The University and your instructor expect regular attendance at all class meetings. More than one unexcused absence will affect a student's participation grade negatively. Students are responsible for acquainting themselves with and satisfying the entire range of academic objectives and requirements as defined by the instructor.

Due to COVID-19 a proper health and safety rule need to be practiced and also maintain in the class room and outside the class room

01. Measuring temperature before entering the University
02. Maintain proper social distancing in the class and outside (At least 6ft from each other)
03. Wearing facemask during the class and outside field works
04. Washing hands before entering the class and design lab

University will provide a sanitized and well distance maintaining and proper hand sanitizer in each class room, sanitized and well distance maintain transport service for field visit.

All students are expected to maintain professional behavior in the classroom setting, according to the University of Utah Student Code (<http://regulations.utah.edu/academics/6-400.php>). Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) **that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc.** Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty's responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee.

All course materials, including student-produced case studies, reading discussion presentations, interview transcriptions and analyses, and research papers, are considered to be University property and subject to GRAMA regulations and the Student Code. Student work may be collected and used by the College for review and accreditation purposes.

Non-Contract Note

The syllabus is not a binding legal contract. It may be modified by the instructor with reasonable notice of the modification. If you would like more information on University academic policies, please see: <http://regulations.utah.edu/academics/guides/instruction/courseContents.php>.

Ethical Conflict

No student is required to participate in an activity that creates a religious, political, and/or moral conflict for the student. If you feel that you that any activities associated with this course will create a religious, political, and/or moral conflict for you, please contact with the course instructor.

Canvas

The course uses the Canvas platform to provide lecture slides, case studies, etc., by both the instructor and the students, as well as to provide instant access to grades. You are “charged with notice” for any information posted on the course Canvas site during the semester. That means we will assume you have received information posted to the site and that you take responsibility for the consequences if you choose to not check the site regularly. If you are not already familiar with Canvas, you can learn about it at: <https://utah.instructure.com/courses/23633/pages/front-page>.

Courtesy

Please give yourself some time before arriving the class for maintain proper health and safety rules and be in class on time. By the same token, please wait until the official end of class to start packing up your books and other belongings. If we go

over the scheduled time by a minute or two, please be courteous. **Please turn off cell phones and other mobile devices**, unless they are being used for a class activity.

Student Support

Please speak with the instructor if there is any additional support you would like to discuss for this class. The University offers many support services – some are listed below. Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student’s ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at www.wellness.utah.edu.

Academic Misconduct

Academic misconduct includes cheating, plagiarizing, research misconduct, misrepresenting one’s work, and inappropriately collaborating. Definitions of these and other terms can be found in the Student Code at <http://www.regulations.utah.edu/academics/6-400.html>. The Student Code (at section 6-400(V)) also specifies the required procedures that must be followed when disciplinary actions are taken in response to instances of academic misconduct. For students enrolled in degree programs in the College of Architecture + Planning, a second occurrence of academic misconduct will result in the student’s dismissal from their academic program.

Addressing Sexual Misconduct

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran’s status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, including sexual orientation or gender identity/expression, you are encouraged to report it to the University’s authority.

COVID-19 Health and Absence

Official Excused Absences – if you have COVID-19 symptoms, including fever or respiratory symptoms such as cough, phlegm, sore throat, and nasal congestion, you should notify your instructor immediately and stay home for three days. You can return to class if you are clear from COVID-19 symptoms. In order to be excused from your courses, you will need an official medical certification.

If you are going to be absent from an exam, you must email the Dean of Student at randy.mccrillis@utah.edu prior to the exam.

Self-quarantine Statement

The University of Utah Asia Campus expects regular attendance at all class meetings. Given the current situation with COVID-19, we have created the following guidelines.

1. If a student has completed less than 50% of the course and is required to self-quarantine, we suggest that the student withdraw from the course. In this situation, all tuition will be refunded with appropriate medical documentation
2. If a student has completed 50-75% of the course and is required to self-quarantine, the Dean of Students Office will work with the faculty and student to determine the best scenario. If the decision is to withdraw from a course, all tuition will be refunded with appropriate medical documentation.
3. If a student has completed over 75% of the course and is required to self-quarantine, the student and faculty will work together to ensure that the student is able to complete the course. If the student is unable to finish all coursework during the course, a student may receive the mark "I" (incomplete) and work to complete all remaining coursework in consultation with the instructor.

Statement for Orange Level

If the University of Utah Asia Campus commences Level Orange, this course will be operating in a hybrid method. For this course, the hybrid option entails: Depends on what a faculty will choose and appropriate for the class.

OPTION A HYBRID: This course will involve a "split attendance" format where one group will attend in-persons class while the other group will participate via an interactive video conferencing format. Students will be asked to alternate in their attendance format.

OPTION B HYBRID: This course will have lecture days and seminar days each week. During lecture days, students will participate an interactive video conference format or content will be delivered all online, and during seminar days, students will participate in-person.

OPTION C HYBRID: This course will move all course content online.

OPTION D HYBRID- PRACTICAL BASED STATEMENT: If the University of Utah Asia Campus commences Level Orange, this course is a practical or hands-on course and will still need to meet in-person.

Student Consent Form

Each student has to secure their consent form and they can view details in Google Form
https://docs.google.com/forms/d/1O9G_jbKphjD1RQhy3KiJZ08vXG7rDUxFiu_m-Hxzi2g/edit

Required by law:

1. ***The Americans with Disabilities Act.*** The University of Utah Asia Campus seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the UAC Office of the Dean of Students – randy.mccrillis@utah.edu. The UAC Office of the Dean of Students will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in an alternative format with prior notification to the UAC Office of the Dean of Students.

Strongly suggested content:

2. ***Sexual Misconduct.*** Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the UAC Office of the Dean of Students – randy.mccrillis@utah.edu. For support and confidential consultation, contact the UAC Mental Health Counseling, 3052 Multi-complex Building, 032-626-6142.
3. ***Student Code of Conduct.*** All students are expected to maintain professional behavior in the classroom setting as outlined in the Code of Student Rights and Responsibilities, Policy 6-400 of the University Regulations Library (<http://www.regulations.utah.edu/academics/6-400.html>).
4. ***Wellness Statement.*** Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student's ability to succeed and thrive at the University of Utah Asia Campus. For helpful resources, contact the UAC Mental Health Counseling Center; asiacampus.utah.edu/mental-health-counseling-center/; 0326266142. You can make an appointment using this link: <https://appointmentwithjan.as.me/schedule.php>.
5. ***Language Policy.*** The University of Utah Asia campus is committed to providing and fostering an environment that is safe and free from prohibited discrimination. The following language policy applies to all academic and administrative units of the University and to all members of the University community, including faculty, staff, and students. English is recognized as the official language of instruction, assessment, and curriculum. In addition, English is the official language for all administrative and business related matters of the University.

Finally, you must make sure you that you are addressing this policy in your syllabus,

"The University expects regular attendance at all class meetings. Instructors must communicate any particular attendance requirements of the course to students in writing on or before the first class meeting. Students are responsible for acquainting themselves with and satisfying the entire range of academic objectives and requirements as defined by the instructor."

If you are requiring that students obtain an official excuse for their absences please note this in your syllabus, you do not have to require this from students. In order for a student to receive an official excused absence, they must complete a request form in the Office of the Assistant Dean of Students (kevin.darco@utah.edu) and provide any accompanying documentation with the request. If their request is approved, the Assistant Dean of Students will email all appropriate faculty with this notification.

If a student will be absent from an exam, they must email the Assistant Dean of Students at kevin.darco@utah.edu prior to the exam.

Statement to add for COVID Related Absences:

If you have COVID-19 symptoms, including fever or respiratory symptoms such as cough, phlegm, sore throat, and nasal congestion, you should notify your instructor immediately, call the KCDC for testing guidance, and stay home based on the KCDC's directive. You can return to class if you are clear from COVID-19 symptoms. In order to be excused from your courses, you will need an official medical certification.

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2. If a student has completed 50-75% of the course and is required to self-quarantine, the Assistant Dean of Students Office will work with the faculty and student to determine the best scenario. If the decision is to withdraw from a course, all tuition will be refunded with appropriate medical documentation.

If a student has completed over 75% of the course and is required to self-quarantine, the student and faculty will work together to ensure that the student is able to complete the course. If the student is unable to finish all coursework during the course, a student may receive the mark "I" (incomplete) and work to complete all remaining coursework in consultation with the instructor.