

SYLLABUS FOR THE COURSE CMP 2010: DESIGN ECOLOGY

Class Number: 18415 Component: Lecture & Lab Type: Hybrid Units: 3.0

Class Room: U303

Class hours: Monday, Wednesday 1:30 PM to 2:50 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 Official government notice for stricter social distancing and other health practices to prevent the spread of COVID-19	Courses moved to online except for those that require a practical component Building access and movement within restricted Daily temperature

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 is intended to raise your awareness of and relationships with complexity urban planning, human living standards and Ecology. By the end of semester, students will have gained a working vocabulary and increased visual literacy of the basic ecology and ecology of cities. Students will also begin to recognize their capacity to creatively respond to the challenges and opportunities we find in cities today.

Our cities are intentionally designed, and sometimes their design adapts organically to social changes, technological changes, wealth, poverty, natural disasters, pollution, waste streams, disease or war, among other influences. Human settlements are complex environments, changing from moment-to-moment, season-by-season and generation after generation. How we imagine shaping the future of our places is the first action that inspires change and match with the Eco-system.

Our focus over the semester will be to learn the ecosystem, ecology and its importance on changing urban system. Observe and analyze the ways that cities comprise an urban ecology. Our scope of understanding will also include the cultural and environmental tensions that emerge in cities. These include forces such as environmental racism, economic and social inequities arising from poor access to mobility, food, clean air and water, education and public goods. The course will also look at the need for advancing resilient and restorative infrastructure and ways of responding to climate change.

As complex ecosystems, cities are habitat for people that include physical artifacts such as buildings, roads, places of commerce, utility infrastructure, culture and governance structures, greenspaces, food, air, water, light and are habitat for animals, insects, and much, much more. The more we understand the forces that shape human settlements, acknowledging the unintended consequences of our city-building choices, the more we can adapt urban ecosystems to be resilient, sustainable, just and exuberant places. When seen through the lens of ecology, we can better understand and adapt our relationships with all systems of the biosphere, atmosphere, lithosphere, hydrosphere and geosphere. By learning how to think like an ecosystem, we are more adequately equipped to manage change in our cities and regions.

Design Foundation Program Overview

Design Ecologies is one of three courses in the College of Architecture + Planning's Design Foundations program. Design Foundations is aimed at fostering an "ethic of care" in designers, planners, architects, and others interested in the built environment. Two intrinsic dimensions of an ethic of care are to think systemically and engage empathetically. To develop these dimensions, the Design Foundations program begins with three courses, which students are encouraged to complete in their first year: DES 2630: Design Contexts, CMP 2010: Design Ecologies, and ARCH 2630: Design Foundations Workshop. Together, these courses offer a mix of lecture/discussion (thinking), engagement experiences (doing), and visual communication and literacy (seeing and representing). The courses are taught collaboratively by planning, architecture, and design faculty and provide a solid foundation for entry into the architectural studies, multi-disciplinary design, and urban ecology majors. All students in the college are required to complete the three courses prior to entry into one of the major programs.

By the end of the Design Foundations program, you will be able to:

- Identify various design disciplines and their connection to the built environment at multiple scales.
- Understand the interconnected design methods and impact of each design discipline.
- Present and identify their own research of design methods in varying professions at different scales.
- Engage equity and social/ecological sustainability as tools for advancing the design processes.
- Identify your relationships with urban ecological systems.

Objectives

Our primary objectives for the class are to:

- develop your observational and diagnostic skills when looking at cities;
- strengthen your ability to raise questions about city building processes and outcomes;
- develop your systems-thinking skills;
- broaden your knowledge of the built environment professions, and;
- strengthen your knowledge of the complex relationships you have with places you care about.

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.).

The course will also inform your roles as citizens in the processes of community change. Because the course explores relationships among all elements of urban ecosystems, it will add value to any course of study where an understanding of the ways social, environmental, and economic systems affect cities and regions is needed.

Above all, this course invites students to begin thinking about their creative responses to the problems of our time.

Learning Outcomes

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

- Principles of Urban Ecology
- The roles of the built environment professions (planning, urban design, landscape architecture, architecture, civil engineering, law, etc.), in shaping human settlements
- The role of empathy and memory as design tools
- The concept of restorative urbanism
- The foundational importance of the design and development of mixed-use neighborhoods and buildings
- Ecological planning and design
- Systems thinking
- Advocacy planning
- Transition strategies for cities
- Urban agriculture, green infrastructure and biophilic cities
- Urban metabolism

- Social, environmental and economic justice
- Specific skills in visual literacy through the lab component of the course

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.

Urban Ecological Design: Urban Ecological Design: A Process for Regenerative Places. *By Danilo Palazzo and Frederick R. Steiner*

- Available in Marriott Library (online version) [You can download with your UID](#)

Urban Ecology : An International Perspective on the Interaction Between Humans and Nature. By *John Marzluff, Eric Shulenberger, Wilfried Endlicher, Marina Alberti, Gordon Bradley, Clare Ryan, Craig ZumBrunnen, Ute Simon, and John Marzluff*

- Available in Marriott Library (online version) [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 Ecology and Ecosystem in an urban context. **All together 5 readings, 1 reading after each Module.**

They also need to make a small 2 slides of presentation on their understanding to share with the class

..... 10%

- **1st reading Due on 8th Mar. 2021**
- **2nd reading Due on 22nd Mar 2021**
- **3rd reading due on 5th Apr 2021**
- **4th reading due on 19th Apr 2021**
- **5th reading due on 10th May 2021**

Lab design: Students are also required to learn a bit of design about the linkage between Ecology and planning practice and ideas. Therefore, students are need to work as individual or in group in urban Ecology Lab U-409 and design or make

a plan..... 25%

- **1st lab on designing on Ecological understanding, due on 3rd Mar 2021.**
- **2nd lab design, understanding linkage between urban environment and ecology, due on 17th Mar 2021.**
- **3rd lab work (outdoor learning) knowing environment, 29th Mar 2021.**
- **4th lab design Water Ecology and Urban system, due 14th April 2021.**
- **5th lab design Social Ecology, due 12th May 2021.**

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 30%

- **Class Quiz 1 due on April 5th Module 1 and Module 2.**
- **Class Quiz 2 due on 12th May on Module 3 and Module 4.**
- **Class Quiz 3 due on 31st May on Module 5 and Module 6.**

Final Presentation: Students are required to submit a final assignment on Sustainable Development Goals and

Ecology most. 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 the Basic		
Feb 22	Introduction of the course plan, Assignments work plan	How to progress
Feb 24	Understanding the Basic of Ecology and Planning	Knowing Ecology
Mar 3	1 st lab design. & History of Ecology	Your Idea on Ecology
Mar 8	1 st Reading. & History of Ecology and Ecosystem	History of Ecology
Mar 10	Human and Ecology and Urban System	Human and Society
Module 02 Ecology and Built Environment		
Mar 15	Biogeochemical Cycle and design discussion	Knowing the system
Mar 17	2 nd Lab design due. & Urban Ecology	Living System
Mar 22	2 nd Reading due. & City Movement	City changes over time
Mar 24	Urban Changes and Change on Eco-System	Concept in Ecosystem
Mar 29	3rd lab design Outdoor	Nature and our system
Module 03 Ecology and Carrying Capacity		
Apr 5	1 st Quiz. & Ecosystem Carrying capacity	Ecosystem and the nature
Apr 7	Urban Carrying Capacity	Urban Ecosystem
Apr 12	Changing Urban Limit	Urban Ecosystem and changes
Apr 14	4 th lab design and Ecology and Climate Change	Climate change and ecosystem
Module 04 Ecological Planning		
Apr 19	4 th Reading. & Eco Planning	Eco concept in planning
Apr 21	Eco city Planning	Planning techniques
Apr 26	Urban Metabolism 1	Urban Energy thoughts
Apr 28	Urban Metabolism 2 Practice a real one	Learn in Class
Module 05 Urban resources and Ecology		
May 10	5 th Reading & 5th Lab Design	Test day
May 12	2 nd Quiz. & Natural resources	Understanding natural resources
May 17	Urban Water resources	Water resources
May 24	Urban health	Healthy City

May 26	Sustainable Development and Ecology	Knowing SDGs
May 31	3 rd Quiz. Assignment Design	
Module 06 SDG and Ecology		
June 2	Final Assignment Due	

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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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.

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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.