



Fall 2023

Course Number	PLAN 672-03	Classroom	TBA
Course Name	Experiential Learning in Planning (Igniting Intelligent Communities)		
Pre/Co-Requisites			
Instructor	Dr. Thomas P. Keenan, FCIPS	Office Hours/Location	In or after class or by appointment in office (PFB 4184)
	Email: keenan@ucalgary.ca	Phone: 403 220-7437	
Class Dates	In person, Nov. 6-10, 2023 (Block Week) 1000-1440 daily		
Instructor Email Policy	Please note that all course communications must occur through your @ucalgary email, and I will respond to emails sent via student's @ucalgary emails within 24 hours. Please include PLAN672 in the subject line.		
Name and Email of Teaching Assistant(s)	None		

Course Description:

Thematic inquiry and design contextualized by experiential learning in planning.

Intelligent Communities is the latest iteration of the “Smart Cities” concept which has been around for several decades. Both consider using technology to improve lives and enhance community functions. However, the Intelligent Community approach also involves community engagement and thoughtful consideration of whether or not a particular technology is appropriate. As an example, a system that tracks people entering a building might be helpful in case of an evacuation emergency, but it can also invade the privacy of the occupants.

This course will focus on how to actually launch Intelligent Community projects by determining the gaps (technology, educated workforce, vision, etc.) and seeking to address them. Successful case studies will be reviewed, and students will tackle, in groups, real world Intelligent Community planning. The ethical aspects of implementing technology will also be discussed.

Course Hours: 1.5 units

Course Learning Outcomes

Upon completion of this course, students will know and be able to:

1. Explain the concepts of Smart Cities and Intelligent Communities and the differences between them.
2. Describe the key success factors behind Intelligent Communities
3. Identify common roadblocks to the implementation of Intelligent Community ideas
4. Explain major deontological and consequentialist ethical frameworks and apply them to Intelligent Community development and design ethics
5. Effectively research relevant case studies and extract key “takeaway” concepts from them.

Technology requirements (D2L etc.)

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology:

A computer with a supported operating system, as well as the latest security, and malware updates

A current and updated web browser

Webcam (built-in or external)

Microphone and speaker (built-in or external), or headset with microphone

Current antivirus and/or firewall software enabled.

Broadband internet connection

Most current laptops will have a built-in webcam, speaker and microphone

Learning Resources

All learning materials are freely available through the University of Calgary library. Of course, you will need (electronic) access to the library and to know how to use it. You will also be using it (and other online resources) to complete in-class assignments and group presentations.

Please try to bring a laptop to class.

Because of the short timeframe of the course, ***you are strongly encouraged to read these two articles before the class begins.***

Kitchin R. 2016 The ethics of smart cities and urban science. Phil.Trans.R. Soc. A 374: 20160115. <http://dx.doi.org/10.1098/rsta.2016.0115>

Verbeek, PP. (2008). Morality in Design: Design Ethics and the Morality of Technological Artifacts. In: Philosophy and Design. Springer, Dordrecht. https://doi.org/10.1007/978-1-4020-6591-0_7

Please do not pay for the Verbeek article. As a University of Calgary student, you can download it, (and other relevant essays) for free from the link shown below. Just select “Download Book PDF”

[Design in Engineering and Architecture: Towards an Integrated Philosophical Understanding](#) ISBN: 978-1-4020-6590-3 Peter Kroes, Pieter E. Vermaas, Andrew Light, Steven A. Moore

https://link-springer-com.ezproxy.lib.ucalgary.ca/chapter/10.1007/978-1-4020-6591-0_1

Assessment and Evaluation Information

Students are expected to attend all classes and to participate actively. In case of emergency that causes absence, the student should contact the instructor in advance and review the material covered in the missed class time as soon as possible. Please note that a significant portion of the final grade is based on in-class group assignments, and it will not be possible to do these if a student is absent.

Assessment Components

Assessment Method	Description	Weight	Aligned Course Learning Outcome
Daily in class group presentations	Five presentations in class (15% each)	75% total	All
Participation (Individual)	Feedback and critique of another group's presentation (2.5% each day) Both verbal (in class) and in the discussion group	12.5% total	All
Short (3-5 pages plus references in APA 7 style) reflective paper on Intelligent Community Design Ethics (Individual)	Due one week after final class	12.5%	4

Guidelines for Submitting Assignments: One member of each group should submit the daily presentation to the appropriate dropbox by end of the day of the class. You should also make (individually) a discussion post commenting on one of the other presentations, again by the end of the class day. (Suggested length 300-500 words.)

Final Examinations: There is no final examination.

Expectations for Writing Please see the University of Calgary Calendar entry (<https://www.ucalgary.ca/pubs/calendar/current/e-2.html>):

Late Assignments: May be accepted at the instructor’s discretion. There is a possible penalty of up to one full grade (e.g., A to B) depending on the circumstances.

Criteria that must be met to pass: It is not necessary to pass any component to pass the course.

Grading Scale

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	95-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	90-94.99	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Good performance
B	3.00	2.85-3.14	75-79.99	Satisfactory performance
B-	2.70	2.50-2.84	70-74.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	65-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.
C	2.00	1.85-2.14	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.30	1.15-1.49	50-54.99	
D	1.00	0.50-1.14	45-49.99	
F	0.00	0-0.49	0-44.99	

A student who receives a "C+" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on the transcript.

The School of Architecture, Planning and Landscape will not permit the Flexible Grade Option (CG Grade) for any course offered by the School.

<https://www.ucalgary.ca/pubs/calendar/current/f-1-3.html>

Topic Areas & Detailed Class Schedule		
Topics are subject to change.		
Course Schedule Date	Topic	Assignments/Due Dates
Monday, Nov. 6, 2023	Smart Cities and Intelligent Communities – How Are They Different? Effective Research Techniques and Sharing Resources.	Presentation #1 Feedback/critique (in class and discussion group)
Tuesday, Nov. 7, 2023	Factors that Encourage and Inhibit the Development of Intelligent Communities	Presentation #2 Feedback/critique (in class and discussion group)
Wednesday, Nov. 8, 2023	Ethical Theory and Design Ethics: Applications to Engineering, Architecture, Landscape Architecture and Planning	Presentation #3 Feedback/critique (in class and discussion group)
Thursday, Nov 9, 2022	Success and Failure Case Studies: What Can We Learn from Them?	Presentation #4 Feedback/critique (in class and discussion group)
Friday, Nov. 10, 2022	Personal/Group vision of an Intelligent Community and Ways to Implement It.	Presentation # Feedback/critique (in class and discussion group)

After Block Week:		
Friday, Nov. 17, 2022	Reflective Short Paper – Individual Assignment	Submit to dropbox by 23:59

University of Calgary Policies and Supports

ACADEMIC ACCOMMODATION

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>. Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to their instructor (contact information on first page above).

SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

ACADEMIC MISCONDUCT

Academic Misconduct refers to student behavior which compromises proper assessment of a student's academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

For information on the Student Academic Misconduct Policy and Procedure please visit: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-policy>

Additional information is available on the Academic Integrity Website at <https://ucalgary.ca/student-services/student-success/learning/academic-integrity>.

COPYRIGHT LEGISLATION:

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy (<https://www.ucalgary.ca/pubs/calendar/current/k.html>).

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

SEXUAL AND GENDER-BASED VIOLENCE POLICY

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's sexual violence policy guides us in how we respond to incidents of sexual violence, including supports available to those who have experienced or witnessed sexual violence, or those who are alleged to have committed sexual violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy>.

UNIVERSITY STUDENT APPEALS OFFICE

If a student has a concern about a grade that they have received, they should refer to Section I of the Undergraduate Calendar (<https://www.ucalgary.ca/pubs/calendar/current/i-3.html>) which describes how to have a grade reappraised. In addition, the student should refer to the SAPL's Procedure for reappraisal of grades.

OTHER IMPORTANT INFORMATION

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources
- Student Success
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk