



<b>Course Number</b>	EVDS 402	<b>Classroom</b>	Zoom
<b>Course Name</b>	Design, Digital Technology and the Built Environment		
<b>Pre/Co-Requisites</b>	None		
<b>Instructor</b>	Dr. T.P. Keenan	<b>Office Hours/Location</b>	By appointment Via Zoom
	<b>Email: keenan@ucalgary.ca</b>		<b>Phone: (403) 220-7437</b>
<b>Class Dates</b>	Mandatory real-time Zoom classes: Mondays January 11 – April 12, 11:00am to 13:50am Other asynchronous assignments due during Jan 11 – April 15, 2021		
<b>Instructor Email Policy</b>	Please note that all course communications must occur through your @ucalgary email, and we will respond to emails sent via student's @ucalgary emails within 48 hours.		
<b>Name and Email of Teaching Assistant(s)</b>	TBD		

### Course Description

An introduction to the fundamental principles underlying modern digital technology-based systems, from a design of the built environment perspective. Topics include The Attention Economy, Big Data, Surveillance Capitalism, Ambient Intelligence, the Internet of Things, Opaque and Transparent Algorithms, Biocreeepiness, and Systems Thinking. No specific technical background is required. Participants will complete a design project on a topic of personal interest.

**Course Hours:** 3 units (3-0)

### Online Delivery

This course will take place **online** via Desire2Learn (D2L) and Zoom. Students are required to participate in the asynchronous learning tasks using the D2L learning environment and in the weekly Zoom sessions. If unable to participate live due to unforeseen circumstances, inform the instructor in advance to work out an alternative participation activity (e.g., watch the recordings, submit a brief reflection, and actively contribute to the follow-up online discussion).

## Course Learning Outcomes

Upon completion of this course, students will:

1. Have an evidence-based, holistic understanding of the issues relevant to digital-technology based systems in the built environment.
2. Demonstrate excellent research, writing, and presentation skills.
3. Understand how an interdisciplinary approach can be used to solve complex and “wicked” problems.
4. Know how to apply “design thinking” to help form a personal vision of what life will be like in the future with respect to creepiness.
5. Be familiar with the career paths and educational options relevant to the topics covered in the course.

## Learning Resources

Required readings, textbooks, and learning materials:

*Technocrep: The Surrender of Privacy and the Capitalization of Intimacy*, by Thomas P. Keenan, 2014, Greystone Books. Available at the University of Calgary bookstore and online at Amazon.ca. Either the paperback or the e-book edition can be used.

All other required readings will be provided on D2L, though students are encouraged to consult additional resources and to cite them properly. The use of references, where appropriate, will be considered in grading. The preferred writing and reference standard is APA (version 7). For more information please see: [https://owl.purdue.edu/owl/research\\_and\\_citation/apa\\_style/apa\\_style\\_introduction.html](https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_style_introduction.html)

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.

## Additional Classroom Conduct and Related Information

### Guidelines for Zoom Sessions in Online Classes

Students are expected to participate actively in all Zoom sessions and to turn on their webcam. Please join our class in a quiet space that will allow you to be fully present and engaged in the Zoom sessions. Students must behave in a professional manner during the session. Students, employees, and academic staff are also expected to demonstrate behaviour in class that promotes and maintains a positive and productive learning environment.

### Assessment Components

Assessment Method	Description	Weight	Aligned Course Learning Outcome
"My Creepy Future World" presentation	Via Zoom: as scheduled	20%	All
"My Creepy Future World" research paper with references (APA format) -- 10-15 pages double spaced	Research paper Due at 2359, April 12, 2021	30%	All
Class participation	In class presentations and discussions (four highest marks, 10% each); participation in online discussion boards (10%)	50%	All

### Assessment and Evaluation Information

**Attendance and Participation Expectations:** Students are expected to read all the materials posted including the entire textbook; participate actively in class and online discussions, and complete assignments on a timely basis.

**Submitting Assignments:** To be submitted electronically via D2L in the appropriate dropbox.

**Late Assignments:** Will be accepted until the Final Deadline (see Detailed Class Schedule) with a possible deduction for lateness. Assignments not submitted by the Final Deadline will receive a grade of F.

**Final Examination:** None

**Expectations for Writing:** Writing quality (clarity, spelling, grammar, etc.) will form part of the basis for assignment and discussion evaluation. See also <https://www.ucalgary.ca/pubs/calendar/current/e-2.html>

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

## Grading Scale

PLEASE NOTE: This is the current official grading scale and interpretation of grades of the School of Architecture, Planning and Landscape. It may differ from the grading scale of the faculty in which you are registered.

In particular, it is significantly different from the Undergraduate Grading System chart in the University of Calgary Calendar <http://www.ucalgary.ca/pubs/calendar/current/f-1-1.html>

This is because (as noted in the Calendar) "University policy requires that students' grades in a course are reported according to the grading scheme of the faculty or school giving the course (regardless of the faculty or school in which a student is registered) and are so recorded on students' transcripts of record."

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	

**For students registered in the Faculty of Graduate Studies only:** 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.

Topic Areas & Detailed Class Schedule			
Course Schedule Date		Topics (subject to change)	Assignments/Due Dates
Jan. 11, 2021	Week 1	Intro to Course History and Definition of Technocreep and other key terms. Course format and expectations.	Mini-presentations (the highest four will be counted as part of class participation). Regular D2L discussion group postings to be made <i>each week</i> .
Jan. 18, 2021	Week 2	Camera Creep	Mini-presentations
Jan. 25, 2021	Week 3	Sensor and IoT Creep	Mini-presentations
Feb. 1, 2021	Week 4	Robot and Physible Creep	Mini-presentations
Feb. 8, 2021	Week 5	Government Creep/Big Data	Mini-presentations
Feb. 14-20, 2021		No Classes	Mini-presentations
Term Break			
Feb. 22, 2021	Week 6	Biocreep	Mini-presentations
Mar. 1, 2021	Week 7	Surveillance Capitalism	Mini-presentations
Mar. 8, 2021	Week 8	Algorithm and Artificial Intelligence Creep	Mini-presentations
Mar. 15, 2021	Week 9	Future Creep	Mini-presentations
Mar. 22, 2021	Week 10	Deception Creep, Anti-Creep	Mini-presentations
Mar. 29, 2021	Week 11	Major Presentations, etc.	Presentations as scheduled
Apr. 5, 2021		Easter Monday, non- instructional day	
Apr. 12, 2021	Week 12	Major Presentations, etc.	Presentations as scheduled
Apr. 15, 2021	@2359	Final Deadline	Last opportunity to submit assignments and post on discussion boards. All presentation slides and written papers due in dropbox.

Special Budgetary Requirements
None

## Guidelines for Zoom Sessions

Zoom is a video conferencing program that will allow us to meet at specific times for a “live” video conference, so that we can have the opportunity to meet each other virtually and discuss relevant course topics as a learning community.

To help ensure Zoom sessions are private, do not share the Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, including any teaching materials, must not be shared, distributed or published without the instructor’s permission.

The use of video conferencing programs relies on participants to act ethically, honestly and with integrity; and in accordance with the principles of fairness, good faith, and respect (as per the [Code of Conduct](#)). When entering Zoom or other video conferencing sessions (such as MS Teams), you play a role in helping create an effective, safe and respectful learning environment. Please be mindful of how your behaviour in these sessions may affect others. Participants are required to use names officially associated with their UCID (legal or preferred names listed in the Student Centre) when engaging in these activities.

Instructors/moderators can remove those whose names do not appear on class rosters. Non-compliance may be investigated under relevant University of Calgary conduct policies (e.g. [Student Non-Academic Misconduct Policy](#)). If participants have difficulties complying with this requirement, they should email the instructor of the class explaining why, so the instructor may consider whether to grant an exception, and on what terms. For more information on how to get the most out of your zoom sessions visit:

<https://elearn.ucalgary.ca/guidelines-for-zoom/>

If you are unable to attend a Zoom session, please contact your instructor in advance to arrange an alternative activity for the missed session (e.g., to review the recorded session). Please be prepared, as best as you are able, to join class in a quiet space that will allow you to be fully present and engaged in Zoom sessions. Students will be advised by their instructor when they are expected to turn on their webcam (for group work, presentations, etc.).

The instructor may record online Zoom class sessions for the purposes of supporting student learning in this class – such as making the recording available for review of the session or for students who miss a session. Students will be advised before the instructor initiates a recording of a Zoom session. These recordings will be used to support student learning only and will not be shared or used for any other purpose.

# University of Calgary Policies and Supports

**COVID-19 PROCEDURE FOR SICK STUDENTS:** <https://ucalgary.ca/risk/sites/default/files/Covid-19%20Folder/COVID-19-Procedure-for-Sick-Students.pdf>

## **ACADEMIC ACCOMMODATION**

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The Student Accommodations policy is available at <https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations>.

Students needing an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS) in accordance with the Procedure for Accommodations for Students with Disabilities (<https://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities.pdf>). Students who require an accommodation in relation to their coursework based on a protected ground other than Disability should communicate this need in writing to their Instructor.

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/](http://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://ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf>  
<https://ucalgary.ca/policies/files/policies/student-academic-misconduct-procedure.pdf>

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 ([www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf](http://www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf)) 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 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/policies/files/policies/sexual-violence-policy.pdf>

**UNIVERSITY STUDENT APPEALS OFFICE:** If a student has a concern about the course, academic matter, or a grade that they have been assigned, they must first communicate this concern with the instructor. If the concern cannot be resolved with the instructor, the student can proceed with an academic appeal, which normally begins with the Faculty. <https://www.ucalgary.ca/secretariat/student-appeals>

### **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