COURSE NUMBER:	**LAND 680.04 (replacing of APLA 680)**
COURSE NAME:	**DESIGN PRACTICE RESEARCH PROJECT DEFINITION**

Classroom:	**Zoom**
Class Dates:	**Mandatory, synchronous classes via Zoom: Thursday 12:30 2:30pm MT** (with the exception of Reading Week and other noted holidays). Other asynchronous assignments due as described in the project briefs, and for the November Symposium.
Instructor:	**Greg Hart and John Brown (manager)** greg@thinairlabs.ca brownj@ucalgary.ca Office Hours: by appointment, via Zoom
Email Policy:	Please note that all course communications must occur using your @ucalgary.ca email address. We will respond to emails within 2 business days.

COURSE DESCRIPTION

Introduction to practice research in the design fields. The course will explore the differences between first professional degree training, traditional PhD research and design-based creative practice research. Students will learn to contextualize their existing professional expertise and experience as the tacit knowledge required for advanced doctoral research. Students will progress toward defining their doctoral research question through self-reflexive study of their career paths and practice portfolio; attendance at and reflection upon practice research symposium events and peer presentations; examination of published and unpublished practice research case studies; core reading; and writing of their research statement.

COURSE HOURS:　　　　　　3 Units

ONLINE DELIVERY / CLASS FORMAT

This course will take place synchronously and online via Zoom (Thurs 12:30 to 2:30pm MT) and will be supported by Desire2Learn (D2L). Students are required to participate in the synchronous Zoom classes, as per the noted times. Students will participate asynchronously, on their own time, to contribute to the D2L discussion board, watch videos, and to complete class assignments, projects and exercises, as required. If, due to unforeseen circumstances, a student is unable to participate in a live online session, please advise the instructor ahead of time via email.

TECHNOLOGY REQUIREMENTS

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.

*Note that most current laptops have built-in webcam, speaker and microphone.

COURSE OBJECTIVES / LEARNING OUTCOMES
- Connect meaningful innovation to the challenges of the future;
- Develop a practice of successful innovation;
- Introduce a way of seeing the structure of a problem space;
- Introduce an approach to seeing the dynamic relationships acting in a problem space;
- Connect an understanding of the constraints of human nature to the process of innovation;
- Apply critical thinking practices to generate creativity;
- Introduce and expand approaches for generating, testing, and refining scenarios in the solution space.
- Develop one's ability to verbally describe and present design work and discuss design ideas.
- Develop and clearly articulate the problem and solution spaces for your doctoral research project

LEARNING RESOURCES / READINGS
The following readings provide useful reference/learning resources:

<u>Books</u>

Barden, Mark *A Beautiful Constraint*

Dutton, Dennis *The Art Instinct*

Harari, Yuval Noah *21 Lessons for the 21st Century*

Keeley, Larry *Ten Types of Innovation*

Meadows, Donella *Thinking in Systems: A Primer*

Mootee, Idris *Design Thinking for Strategic Innovation*

Salk, Jonas & Jonathan *The New Reality*

Senge, Peter *The Necessary Revolution*

Simon, Herbert *The Sciences of the Artificial*

Sinek, Simon *The Infinite Game*

<u>Videos</u>

Why People Believe Weird Things -
https://www.ted.com/talks/michael_shermer_why_people_believe_weird_things?language=en

How great leaders inspire action -
https://www.ted.com/talks/simon_sinek_how_great_leaders_inspire_action

A Darwinian Theory of Beauty -
https://www.ted.com/talks/denis_dutton_a_darwinian_theory_of_beauty

The first secret of design is noticing -
https://www.ted.com/talks/tony_fadell_the_first_secret_of_design_is_noticing

ASSESSMENT COMPONENTS / COURSE ASSIGNMENTS

The course is evaluated based on submitted mini-project assignments and large assignments. There are ten assignments in total for the term:

MP1	5%	Response to the Future	Issued Sep 10	**Due Sep 17**
MP2	5%	Applying Innovation	Issued Sep 17	**Due Sep 24**
MP3	5%	Problem Structure	Issued Sep 24	**Due Sep 30**
MP4	5%	Problem Relationships	Issued Sep 30	**Due Oct 08**
MP5	5%	Beliefs and Biases	Issued Oct 08	**Due Oct 15**
MP6	5%	Solution Space	Issued Oct 15	**Due Oct 22**
MP7	5%	Scenario Creation	Issued Oct 22	**Due Oct 29**
MP8	5%	Scenario Testing	Issued Oct 29	**Due Nov 5**
P1	20%	Problem Presentation (Symposium)	Issued Sep 10	**Due Nov 20**
P2	40%	Full report and reflection	Issued Nov 20	**Due Dec 14**

Attendance and Participation Expectations: Given the seminar/project format for the course, attendance for all classes is expected.

Guidelines for Submitting Assignments: All assignments will be due in class on the noted due date. Additionally, all assignments must be submitted digitally to the designated Dropbox on D2L on the prescribed due date, in pdf format, including images of projects, pdf presentations and papers.

Final Examinations: There is no final examination for this course.

Expectations for Writing (https://www.ucalgary.ca/pubs/calendar/current/e-2.html): Students are expected to write at a graduate level, demonstrating a highly proficient and professional use of English, proper citation methods, and compliance with academic regulations to negate instances of plagiarism and academic misconduct.

Late Assignments: Late submission of project assignments will result in a half grade penalty, per day late. After 10 days late, the assignment will receive an 'F' grade. Note that in rare circumstances, students may seek an extension for a particular project. Students should advise the instructor as soon as the need is known.

Criteria that must be met to pass: students must complete all assignments by the prescribed due dates to pass.

TOPIC AREAS AND DETAILED CLASS SCHEDULE

Week 1	Sep 10	What the Future Demands	*Mini-project 1 issued*
Week 2	Sep 17	Nature of Innovation	*Mini-project 1 due, MP 2 issued*
Week 3	Sep 24	Problem Setting - Structure	*MP 2 Due, MP 3 issued*
Week 4	Sep 30	Problem Setting - Systems	*MP 3 Due, MP 4 issued*

Week 5	Oct 08	Influence of Beliefs and Biases	*MP 4 Due, MP 5 issued*
Week 6	Oct 12	THANKSGIVING	
	Oct 15	Problem Presentation	*MP 5 Due; MP 6 issued*
Week 7	Oct 22	Exploring the Solution Space	*MP 6 Due; MP 7 Issued*
Week 8	Oct 29	Scenario Creation	*MP 7 Due; MP 8 issued*
Week 9	Nov 05	Scenario Testing	*MP 8 Due*
Week 10	Nov 09 - 13	NO CLASS READING DAYS	
Week 11	Nov 20-22	**SYMPOSIUM - Presentation of problem and multiple solution pathways**	
Week 12	Nov 26	Post Symposium discussion and refinement of final document	
Week 13	Dec 03	Post Symposium discussion and refinement of final document	
Week 14	Dec 10	**Couse Conclusion: Preparing for next steps**	
Post Course:	Dec 14	**Final Scenarios paper due and uploaded to D2L**	

GRADE 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	

Final grades shall be reported as letter grades, correlating to the grade point value as per column 2 below. Final grades shall be calculated according to the 4-point range as noted in column 3. Assignments calculated by percentage grades will use the equivalent values shown in column 4.

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.

GUIDELINES / CONDUCT 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.

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. Student must behave in a professional manner during the session. Students, employees, and academic staff are expected to demonstrate behaviour in class that promotes and maintains a positive and productive learning environment.

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/ .

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