University of Waterloo
Stratford School of Interaction Design & Business
GBDA 302
Global Digital Project 2
Winter 2020

Instructor: Karin Schmidlin	**Time:** Wed, 9 AM – 11:50 AM
Email: kschmidlin@uwaterloo.ca	**Classroom:** DMS2 (Bradshaw) 0007
Office Phone: 519-888-4567 x23005	**Office:** DMS 3012
Office Hours: by appointment	**TA:** Sara Selvaggi / Calvin Zheng

Course Description

In this course, students will engage in advanced study of digital culture and globalization. They will work on a project focusing on social and environmental change in its wider context, to use systems thinking as a guiding approach to understand complex global challenges. Students will prepare and present a complete digital systems map designed for a non-Canadian community.

Course Goals and Learning Outcomes

Upon completion of this course, students should be able to:

A. Conceptualize a generative project by
   - Conducting relevant, credible research
   - Communicating in writing and oral presentation the values, meaning and social implications of a design project
B. Manage a project effectively by:
   - Applying skills learned in previous GBDA courses to novel contexts
   - Facilitating positive and productive team communication

C. Create systems maps by:
   - Mapping out a problem in its wider context
   - Articulating the findings in a way that viewers can meaningfully understand
   - Understanding the economic forces, political movements, and global trends

Course Project

Oxford University's 2020 Map the System (http://www.oxfordglobalchallenge.com/) challenge will be used as the course project. Each team will pick a topic to work on for the duration of the course:

1) Designing for Social Impact   3) Gender and Inclusive Design

2) Artificial Intelligence   4) Big Data and Privacy

Required Reading

Rosling, Hans. 2018. Factfulness. Flatiron Books (Designing for Social Impact)

Lee, Kai-Fu. Ai Superpowers. 2018. Houghton Mifflin Harcourt (Artificial Intelligence)

Perez, Caroline Criado. Invisible Women. 2019. Abrams Press (Gender and Inclusive Design)

Smith, Brad. Tools and Weapons. 2019. Penguin Press (Big Data and Privacy)

These books will be used as the course textbooks. Each week, one of the teams will lead and facilitate a 'bookclub' class discussion on a chapter of the book of their choice. You are only required to read one of these books, but I highly recommend you are reading all four, because: #gbdaReads

Course Assessment

Team Mark		%	Due Date
	Industry Project:	**50**	
	Visual Systems Map	(40)	Mar 25, 23:59 GMT (6:59 PM Ontario time)
	Final Presentation	(30)	Apr 5, 9 AM
	Facilitated 'bookclub' class discussion on the weekly reading	(30)	Throughout the course
	• **Written Summary of Research** (max 3,000 words) • **Bibliography**	**10**	Mar 25, 23:59 GMT (6:59 PM Ontario time)
Individual Mark			
	Attendance & Participation	**20**	Throughout the course
	In-Class Activities (x2)	**10**	Throughout the course
	Peer Evaluations (x2)	**10**	Feb 15, Apr 5, 6 PM
This reflects 40% of individual work and 60% of group work			

You will be required to complete 2 small assignments throughout the semester. These may include quizzes, short activities, or other formats as determined by the instructor. These activities will not be scheduled in advance; they will be 'surprise' assignments to be completed in class for the students in attendance. Students with a valid reason to be absent (doctor's note etc.) will be allowed to make up the missed assignment.

Course Timeline ⏰

Below is a tentative timeline. The content of the lectures and order may change based on class progress and interest.

W	Date	Topic	Readings Due	Assignments
1	Jan 8	Course Introduction Mini design sprint Team formation	None	Project introduction
2	Jan 15	Thinking in Systems Circular Design	Team 1	Team 1 facilitates bookclub of a chapter in their book of choice (30 mins)
3	Jan 22	Topics 1 and 2: Designing for Social Impact Artificial Intelligence	Team 2	Team 2 facilitates bookclub of a chapter in their book of choice (30 mins)
4	Jan 29	Topics 3 and 4: Gender and Inclusive Design Big Data and Privacy	Team 3	Team 3 facilitates bookclub of a chapter in their book of choice (30 mins)

W	Date	Topic	Readings Due	Assignments
5	Feb 5	Research Methods 1	Team 4	Team 4 facilitates bookclub of a chapter in their book of choice (30 mins)
6	Feb 12	Research Methods 2 (Library)	Team 5	Team 5 facilitates bookclub of a chapter in their book of choice (30 mins) ==Due:== **Peer evaluations, 6 PM**
Reading Week				
7	Feb 26	Innovation & Social Entrepreneurship	Team 6	Team 6 facilitates bookclub of a chapter in their book of choice (30 mins)
8	Mar 4	Mapping 1 The 5Rs: Results, Roles, Relationships, Rules, Resources	Team 7	Team 7 facilitates bookclub of a chapter in their book of choice (30 mins)
9	Mar 11	Mapping 2 Charts, Maps and Infographics	Team 8	Team 8 facilitates bookclub of a chapter in their book of choice (30 mins)
10	Mar 18	Visual Design Principles	Team 9	Team 9 facilitates bookclub of a chapter in their book of choice (30 mins)
11	Mar 25	Mapping Workshop	Team 10 and 11	Teams 10 and 11 facilitate bookclub of a chapter in their books of choice (30 mins) ==Due:== **23:59 GMT (6:59 PM our time)** • **Systems Maps,** • **Written Summary of Research (max 3,000 words)** • **Bibliography**
12	Apr 1	Final presentations	None	==Due:== **Presentation slides, 9 AM** ==Due:== **Peer evaluations, 6 PM**

Course Communication

Slack will be used as the main class communication tool. Teams MUST use their designated Slack channel for all course-related communitacion in order to receive participation marks.

Deadlines

All assignments are due on the day and time indicated in the course timeline and uploaded to the designated folders on LEARN. Extensions to assignment deadlines will be granted only in cases of illness or emergency. Extensions are granted based on the discretion of the instructor. Students should contact the instructor as soon as possible to make their requests and provide credible documentation (such as a doctor's note or a Verification of Illness Form).

Assessment

Class participation is an important part of learning and it is beneficial for everyone to come with an open mind and a willingness to share ideas. Products and services can be designed in a multitude of ways and it is in the best interest of the class to be able to share ideas. In order to have a classroom culture that is open and exploratory we need to trust that we will be heard and that we all can make mistakes. Successful products are never built on one person's sole idea but rather the influx of multiple sources of inspiration.

You will be expected to meaningfully attend and participate in class and contribute insights and value to classroom learning as well as to your team to receive a grade. Students, who do not come to class, cannot participate, and therefore forfeit the mark. Grades are collected from attendance in class as a base and increase to higher marks based on active engagement. The final grades are at the discretion of the instructor, aka Karin.

Twice throughout the course, you will fill out a peer evaluation to objectively assess each member of your team. The form can be found on LEARN. Those team members who do not submit a peer evaluation will receive a zero (0) for that assessment. If no one on the team submits a completed peer evaluation form, all receive a zero (0) for that assignment.

Late Work

All assignments submitted late without approved extensions will be subject to late penalties. 5% will be deducted for projects that are handed in within 24hrs after the deadline and an additional 5% per day thereafter (including weekends) up to a maximum of 50%. After that time a grade of 0% will be assigned for the late work. Late penalties are not recoverable.

For group work: If one of you happens to be sick, the rest of your team members will be there to present for you or to upload your work. Ensure that you use your Slack team channel for sharing your slides, research, design, other documents and media so that any team member can theoretically present all material involved, and a backup plan is in place if your key presenter cannot be present.

Electronic Device Policy

Get ready to put your phones away for certain classes. I promise that it will benefit your learning and make the class more engaging and enjoyable for all :)

Attendance

Students are expected to attend all classes and participate in discussions. The instructor should be notified of any anticipated absences well in advance. Teams should take attendance at each scheduled team meetings in and outside of class and monitor team members' contributions throughout the term.

Institutional-required statements for undergraduate course outlines approved by Senate Undergraduate Council, April 14, 2009

Academic Integrity
In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. See the UWaterloo Academic Integritity webpage and the Arts Academic Integrity webpage for more information.

Discipline
A student is expected to know what constitutes academic integrity, to avoid committing academic offences, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course professor, academic advisor, or the Undergraduate Associate Dean. When misconduct has been found to have occurred, disciplinary penalties will be imposed under Policy 71 – Student Discipline. For information on categories of offenses and types of penalties, students should refer to Policy 71 - Student Discipline. For typical penalties check Guidelines for the Assessment of Penalties

(https://uwaterloo.ca/secretariat-general-counsel/policies-procedures-guidelines/guidelines/guidelines-assessment-penalties).

Grievance
A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70 - Student Petitions and Grievances, Section 4 (https://uwaterloo.ca/secretariat-general-counsel/policies-procedures-guidelines/policy-70). When in doubt, please be certain to contact the department's administrative assistant who will provide further assistance.

Appeals
A decision made or penalty imposed under Policy 70, Student Petitions and Grievances (other than a petition) or Policy 71, Student Discipline may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to Policy 72, Student Appeals (https://uwaterloo.ca/secretariat-general-counsel/policies-procedures-guidelines/policy-72).

Note for Students with Disabilities
The AccessAbility Services office, located on the first floor of the Needles Hall extension (NH 1401), collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the AS office at the beginning of each academic term.