CARLETON UNIVERSITY
School of Industrial Design
IDES 5101 Interdisciplinary Design Development Seminar FALL 2018

COURSE OUTLINE

Instructor       Lois Frankel
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Office Hours    by appointment

Course Time and Location Mondays 14:35 - 17:25  Azrieli Pavilion 430

Course Description
Investigation of disciplines involved in design development, with experts in Business, Engineering, Sociology/Anthropology, Architecture, Psychology, Human Factors, Industrial Design, and others. Includes a critical examination of methods used to integrate different approaches, and roles that personality, leadership, negotiation, conflict management, and teambuilding play in collaboration. Introduction to graduate academic writing.

This course introduces the practical concepts upon which the MDes program is based. The first is the investigation of issues related to interdisciplinary design cultures, which will be achieved primarily through discussions, debates, and critiques of the course readings. The second is to learn about the nature of team interactions, which will be accomplished through course activities, readings, and guest visits. Finally, this course places strong emphasis on acquiring critical thinking, presentation, and writing skills appropriate to scholarly publications and events, especially conference papers and presentations. Students are expected to develop an understanding of the components of academic writing and apply them in their own papers.

Learning Outcomes
By the end of this course students will be able to:

1. Critically discuss theoretical issues arising in the general discourse about interdisciplinary design.
2. Use course resources to learn about significant themes discussed in the design literature.
3. Identify unique aspects of disciplinary collaboration in interdisciplinary design activities.
4. Facilitate the use of logic and argument in debates about interdisciplinary design matters.
5. Engage others in activities that explore interdisciplinary design concepts and theories.
6. Cooperate with team members in working through class exercises and assignments.
7. Produce well developed written and presentation material.
8. Prepare final work for publication in the form of a conference poster and publication.
9. Effectively communicate ideas through visual, written, and oral presentations.
10. Adopt professional behaviour.
<table>
<thead>
<tr>
<th>DATE</th>
<th>THEME</th>
<th>READINGS (read prior to class on date noted)</th>
<th>ACTIVITIES</th>
<th>DELIVERABLES</th>
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<tr>
<td>1</td>
<td>intro</td>
<td>General Intro</td>
<td>Academic Writing &amp; Plagiarism</td>
<td>Intro #1: Portfolio</td>
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<td></td>
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<td>Academic Writing &amp; Plagiarism PhD in Design List Gemser et al</td>
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<td>Intro #2: Readings &amp; Analysis Sessions</td>
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<td>2</td>
<td>academic writing</td>
<td>Montuori / Torraco Reference Webster &amp; Watson</td>
<td>Library Introduction (takes place in Library at 2:35) In-class discussions Structure/format of Academic Papers &amp; Literature Reviews</td>
<td>Intro #3: Paper</td>
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<td>3</td>
<td>design</td>
<td>D’ippolito</td>
<td>In-class discussion</td>
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<td>4</td>
<td>interdisciplinary</td>
<td>Dykes et al/ Kim &amp; Kang</td>
<td>In-class discussion &amp; exercise</td>
<td>Assignment 1: 1st portfolio due</td>
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<td>transdisciplinarity</td>
<td>Blevis &amp; Stolterman/Boradkar/Moreno &amp; Villalba/</td>
<td>Academic Writing Session</td>
<td>Assignment 3: PAPER ABSTRACT DUE</td>
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<td>6</td>
<td>interdisciplinary: across disciplines</td>
<td>Lacerda &amp; Chung/ &amp; Eisenbart et al/</td>
<td>Reading Session #1 ID Faculty Co-supervisors Information Session</td>
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<td>interdisciplinary: cross-cultural</td>
<td>Cox &amp; Hallgrimsson/ Irani &amp; Dourish/ Chavan</td>
<td>Reading Session #2 POSSIBLE GUESTS</td>
<td>Assignment 1: 2nd portfolio due</td>
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<td>8</td>
<td>academic writing</td>
<td>Bring for reference only: Rith &amp; Dubberly/ Jordan et al</td>
<td>In-class writing exercise &amp; Annotated Bibliography</td>
<td>Assignment 3: PAPER DRAFT DUE at start of class</td>
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<td>9</td>
<td>interdisciplinary: team process</td>
<td>Haats/ Dhomme &amp; Hall Frankel &amp; Hrinivich</td>
<td>Reading Session #3 POSSIBLE GUESTS</td>
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<td>10</td>
<td>issues</td>
<td>Grigoriev et al/ TBD</td>
<td>In-class discussion POSSIBLE GUESTS</td>
<td>Assignment 1: 3rd portfolio due</td>
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<td>final poster reviews</td>
<td>POSTER REVIEWS Consultations</td>
<td>Assignment 3: POSTER DUE</td>
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<td>final paper</td>
<td>Possible guests</td>
<td>Assignment 3: FINAL PAPER DUE</td>
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Course Completion Requirements:

I. Individual students are expected to prepare for weekly classes by reading the papers for each class. For classes with readings, students must complete the assigned reading portfolio exercises and come to class prepared to critically discuss the readings.

II. Students will facilitate and/or participate in class discussions on designated weeks through critical discussions or debates, and examination of the highlights of the week’s themes.

III. Reading sessions will be led collaboratively by the weekly presenters who will be responsible for organizing and leading the week’s 45-minute session. The session should be designed to engage class peers in:
   • Using logic and argument to discuss interdisciplinary design issues in relation to the course theme of the week,
   • Identifying unique aspects of collaboration in interdisciplinary design activities.

IV. Students will have individual and group writing and discussion exercises in preparation for working on their individual paper assignments & thesis direction. These exercises will be presented/discussed/developed in class and contribute to the weekly participation grade.

Course Evaluation Information is summarized below & explained in more detail in the individual assignment descriptions.

- Assignment 1: Individual Critical Reading Review Portfolio 20%
- Assignment 2: Reading Session Leadership 30%
- Assignment 3: Individual paper 45%
- Weekly participation & professionalism (contributing to discussions & class activities; and punctually attending classes) 5%

CuLearn
To access your courses on cuLearn go to http://carleton.ca/culearn. For help and support, go to http://carleton.ca/culearn/students. Any unresolved questions can be directed to Computing and Communication Services (CCS) by phone at 613-520-3700 or via email at ccs_service_desk@carleton.ca.

Individual/Group Work
Courses may include various combinations of individual and group work. Students must demonstrate individual aptitude. It is important where collaborative work is undertaken that students be able to clearly demonstrate that individual contribution has been made. Where the evaluation for individual work is below a passing grade, that grade will be awarded for the course.
**Review Attendance**

Attendance at scheduled SID reviews is mandatory. These are equivalent to exams in IDES courses when indicated in the course outline. **Failure to attend will result in a grade of F.** If you are not able to attend a review, you are required to call the General Office (613-520-5672) and/or send an email to id@carleton.ca to **leave a message** in advance. A comprehensive medical certificate or other documentation to substantiate the absence must be submitted as soon as possible after the review. The documentation must state the date of illness onset, the expected date of recovery, and the extent to which the student is incapacitated. A student who does not remain for the complete review session, who does not present as scheduled, or who arrives late for the review, without approval from the instructor, will receive a 10% grade reduction for that review.

**Course Deliverables**

All deliverables submitted late will accrue a 10% per day deduction from the determined grade, to a maximum of 3 days, from the original deadline time and date. Failure to submit within 3 days, without approval from the instructor, will result in a grade of F.

**Participation and Professionalism**

Active participation and professional conduct are particularly important in studio courses and will be evaluated. At the same time, when the student’s work is reviewed at the end of the course, an evaluation will be made based on one or more of the following: in class discussion; consultations with instructors; and work ethic. However, none of these evaluations will be used to raise an overall failing grade, to a passing one, based on the quality of the work.

**Requests for Academic Accommodation**

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

Pregnancy obligation: Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

Religious obligation: Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

Academic Accommodations for Students with Disabilities: If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first
in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. carleton.ca/pmc

Survivors of Sexual Violence: As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and is survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support

Accommodation for Student Activities: Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf

For more information on academic accommodation, please contact the departmental administrator or visit: students.carleton.ca/course-outline

**Instructional Offences/Plagiarism**

The regulations of the university require that we bring to your attention regulations on instructional offences, descriptions of which can be found in the current Academic Integrity Policy available on the Student Affairs website. The policy governs the academic behaviour of students. At the same time, it seems that students do not always understand the meaning of plagiarism and how to avoid it.

**Student Responsibility**

The student is responsible for knowing the content of this course outline, the schedule of classes, assignments, and examinations; and material covered during any absence from scheduled classes.

**Changes to the Course Outline**

The course outline may be subject to change in the event of extenuating circumstances.

**Course Readings**


Gemser, de Bont, Cees and Paul Hekkert (2011). Quality perceptions of design journals: The design scholars’ perspective. Design Studies, Volume 33(1), 4-23


From: prod.sandia.gov/techlib/access-control.cgi/2003/030132.pdf


Other Resources

MDes thesis proposal and thesis documents.

The Design Research Society Newsletter (note you can also subscribe to this newsletter) at [http://www.jiscmail.ac.uk/lists/design-research.html](http://www.jiscmail.ac.uk/lists/design-research.html)

The PhD in Design list at [http://www.jiscmail.ac.uk/cgi-bin/webadmin?A0=phd-design](http://www.jiscmail.ac.uk/cgi-bin/webadmin?A0=phd-design)