COURSE OUTLINE IDES 5101F • INTERDISCIPLINARY DESIGN DEVELOPMENT

SEMINAR • FALL (2021)

Instructor: **Chiara Del Gaudio**

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Location: **SA317**

Office Hours: from 3 to 4 pm on Monday (Zoom room: https://carleton-ca.zoom.us/j/5570461360)

Time and Location: Please refer to Carleton Central under Student Services – Registration – Search Schedule: https://central.carleton.ca/prod/bwysched.p_select_term?wsea_code=EXT

Course Description

Investigation of interdisciplinary design discourse about disciplines, themes, and concepts involved in design development. Examines a range of different professional perspectives and methods for integrating collaborative practices affected by leadership, negotiation, conflict management, and team building. Introduction to graduate academic writing. Includes: Experiential Learning Activity.

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.

Course format

In this course, students will explore practical concepts related to interdisciplinarity in design through group and individual work, with an emphasis on acquiring critical thinking, presentation, and writing skills appropriate to scholarly publications and events, especially conference papers and presentations. Students will prepare academic papers applying the components of academic writing effectively to communicate their ideas. these topics will be explored and discussed in lectures, readings, and via the participation of guest speakers, which are experts in the addressed themes and fields. Furthermore, students will be supported in their reflection process through weekly in-class seminar discussions and analysis, and group and independent investigations. All this will result in a critical overview of interdisciplinarity in design in addressing a complex societal issue, and in students' final papers.

Active participation in class activities and discussions is required in this course. The course instructor will guide students throughout this theoretical exploration. However, students are expected to act independently to explore the topics further to prepare adequate arguments when summarizing an issue in a paper, presentation, or class discussion.

Course Deliverables and Evaluation Information

Participation in weekly discussion and activities (active engagement)	5%
Critical Overview on "Interdisciplinarity, design and complex issues"	25%
Reading Session leadership	20%
Final Paper	50%

Total	100%

A detailed deliverables description, including evaluation criteria and rubric, will be detailed in Appendix B which will be provided by the instructor in the first week of the term.

Student Access to Quiz, Test and Exam Papers

Students will receive the evaluation of their work and points of strength/areas for improvement.

Required Materials

Refer to Brightspace for a comprehensive list of required materials. Readings are available on Brightspace in ARES or can be found online.

- Arnould, E. J. (2006). Getting a Manuscript to Publication Standard. *Design Research Quarterly, October*.
- Botero, A., Hyysalo, S., Kohtala, C., & Whalen, J. (2020). Getting participatory design done: From methods and choices to translation work across constituent domains. *International Journal of Design, 14*(2), 17-34.
- Ceschin, F., & Gaziulusoy, I. (2016). Evolution of design for sustainability: From product design to design for system innovations and transitions. *Design Studies, 47*, 118-163. https://doi.org/10.1016/j.destud.2016.09.002
- Dykes, T. H., Rodgers, P. A., & Smyth, M. (2009). Towards a new disciplinary framework for contemporary creative design practice. *CoDesign 5*(2), 99-116. https://doi.org/10.1080/15710880902910417
- Freire, K. (2017). From strategic planning to the designing of strategies: A change in favor of strategic design. Strategic Design Research Journal, 10(2), 91-96. https://doi.org/10.4013/sdrj.2017.102.01
- Freitas, L., Morin, E., & Nicolescu, B. (1994). Charter of Transdisciplinarity. Retrieved from https://ciret-transdisciplinarity.org/chart.php
- Lester, J. (1993). Writing the paper. In J. Lester (Ed.), *Writing Research Papers: A Complete Guide*, (pp. 135-165). Harper Collings.
- Maffei, S. (2018). On the body. In the body. For the body. *Domus 1023*, 34-39.
- Maffei, S. (2020). What is design? Systemic. *Domus 1051*, 46-47.
- Maffei, S. (2021). Synthetic aesthetics. From the inorganic to the organic. *Domus 1058*, IX.
- Maffei, S. (2021). The total algorithm. Reality as a digital twin. *Domus 1059*, XII.
- Otto, T., & Smith, R.C. (2013). Design Anthropology: A Distinct Style of Knowing. In W. Gunn, T. Otto, & R. C. Smith (Eds) *Design Anthropology* (pp. 1-29). PAPER?
- Pedersen, S. (2020). Staging Negotiation Spaces. Design Studies. Advance online publication. https://doi.org/10.1016/j.destud.2020.02.002.
- Taboada, M. B., Rojas-Lizana, S., Dutra, L. X. C., & Levu, A. V. L. M. (2020). Decolonial Design in Practice: Designing Meaningful and Transformative Science Communications for Navakavu, Fiji. *Design and Culture, 12*(2), 1-24. https://doi.org/10.1080/17547075.2020.1724479
- Tetzner, R. (2018). What Types of Articles Are Published in Academic and Scientific Journals?. Proof-reading-service. Retrieved from https://www.proof-reading-service.com/en/blog/types-articles-published-academic-scientific-journals/
- Tetzner, R. (2019). 8 Key Steps for Writing a Literature Review Article for a Journal?. Proof-reading-service. Retrieved from https://www.proof-reading-service.com/en/blog/key-steps-writing-literature-review-article-journal/

- Thompson, K. J. (2017). Typologies of Interdisciplinarity. The Boundary Work of Definition. In Frodeman,R., Klein, J.T., & Pacheco, R. C.S. (Eds.), *The Oxford Handbook on Interdisciplinarity* (pp. 21-34). Oxford University Press.
- Turner, S. (2017). Knowledge Formations. An Analytic Framework. In Frodeman,R., Klein, J.T., & Pacheco, R. C.S. (Eds.), *The Oxford Handbook on Interdisciplinarity* (pp. 9-20). Oxford University Press.
- University of Toronto. The Abstract. Retrieved from https://advice.writing.utoronto.ca/types-of-writing/abstract/

Computer Requirements

Please refer to the computer requirements on the School of Industrial Design Website. You may be asked by your instructor to refer to Brightspace for other information or requirements related to computer work.

http://www.id.carleton.ca/undergraduate/about-the-bid-program/computer-requirements

Individual/Group Work

Courses may include individual and group work. It is important in collaborative work that students clearly demonstrate their individual contribution.

Review/Presentation Attendance

Attendance at scheduled SID Reviews/Presentations is mandatory. These are equivalent to exams when indicated in the course outline. Failure to attend the Review/Presentation without reasonable cause, will result in a grade of F. Students arriving late for the Review/Presentation or not remaining for the complete session without approval from the instructor, will be receive a 10% grade reduction for that review.

If you are not able to attend a Review/Presentation, foresee arriving late or need to leave before it is complete, please email your instructor in advance explaining the reason for the situation. It is important that you provide a reasonable rationale for your absence, late arrival or early departure. In the event of an illness or death in the family, you will be required to sign a form verifying your claim and this form is available through the SID administration office.

Late Submission of Lecture & Studio Deliverables

Students who do not hand in deliverables and assignments on time will have their earned grade reduced by 10% per day up to a maximum of 72 hours. Failure to submit within 3 days, without approval from the instructor, will result in a grade of F.

Deliverable and assignments should be handed in according to given instructions. Failure to follow the instructions will result in a 10% grade reduction for that deliverable.

Regulation on Minimum Grade Requirements

A grade of B- or better must be obtained in each credit counted towards the master's degree. The School of Industrial Design does not permit exceptions to this rule.

Students will be required to withdraw from the program if their grade point average falls below 7.0 (B-), or if they receive a grade of less than B- in any two courses that are eligible to be counted toward the Master's degree.

For more information on General Regulations, please refer to: https://calendar.carleton.ca/grad/gradprograms/design/#regulationstext

Participation and Professionalism

Active participation and professional conduct (e.g., class discussion, consultations with instructors, work ethic, etc.) are important in lecture and studio courses and may be formally evaluated by a grade. Professionalism also includes Carleton's Policy on Academic Integrity described in more detail below with links to content which you are required to review.

Online Etiquette (for students that were granted permission to attend online)

Online attendance is meant to be synchronous to the class. Remember that while in class, your at-home computer is your classroom. You are required to remain engaged in class material throughout class time. Please do not engage in personal communication while in class. Follow the same protocol you would follow in class for eating. Reserve the eating of lunch and snacks for break times. If possible, set up your classroom at a desk or table rather than on a comfy chair or on your bed. While online, please refrain from travelling around the house, carrying your computer with you. This can be very dizzy-making for the others online. If you need to leave "class" leave a quick message to excuse yourself. In short, show the

same courtesy that you would show if you were in the face-to-face classroom. Leave yourself muted except when contributing, to prevent background noises and conversations from entering the classroom.

Academic Integrity: Plagiarism and Other Violations

In the School of Industrial Design, students are expected to have read and understand the University's definition of plagiarism and related offences in Carleton's policy on Academic Integrity at https://carleton.ca/registrar/academic-integrity/

The definition of plagiarism extends to copying designs, design ideas, research tools, etc. in whole or in part belonging to someone else, failing to acknowledge the sources through the use of proper citations when using another's work in any medium.

The school takes these misconduct offences seriously and will take appropriate action as outlined in Carleton's Academic Integrity policy (see link above).

Requests for Academic Accommodation

You may require special arrangements to meet your academic obligations during the term. For an accommodation request for any of the following topics below, refer to the link provided for more information: https://students.carleton.ca/course-outline/

- *Parental Leave*

- *Religious/Spiritual Obligation*

- *Academic Accommodations for Students with Disabilities*

- *Survivors of Sexual Violence*

- *Accommodations for Student Activities*

Student Responsibility

The student is responsible for knowing the content of this course outline; the schedule of classes, assignments, and/or reviews; and the material that was covered when absent. The class is a professional environment and students should attend and participate during the scheduled hours.

Unless otherwise arranged, the class will meet during scheduled class hours. Please note that attendance is important since issues and questions may be raised in class, and announcements made, along with information disseminated through Brightspace. As external professionals are often involved in our work, scheduling changes for guest lectures, presentations, and reviews may occur at short notice, requiring students to stay informed.

Changes to the Course Outline

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

Appendix A - Course Schedule

Appendix B – Assignments' guidelines and rubrics

Appendix C - Class Activities, Bibliography and Resources

Appendix D - Guidelines for critical reading and discussion

Appendix E - Final Paper: Submission Instructions and Guidelines