

design theory & TECHNOLOGY

FALL 2021
MONDAYS
3:30–6:20PM

TECH 533-00 | instructor: colin m. gray, PhD

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TOPICS INCLUDE:

Design as the first tradition
Design, art, and craft
Design theory
Design as everyday and professional
Design across disciplines
Design as problem framing
Design process(es)
Design judgment
Design research and practice
Design beyond the physical
Design expertise
Design and values
Design, ethics, and society
Design philosophy

This course provides an overview of theories and approaches to the **transdisciplinary concept of design**, spanning multiple disciplines and types of design outputs with a focus on technology. Students will read the work of leading design scholars, and situate their personal approach to design practice and research based on historical and current trends in the literature. **Students are encouraged to contribute to their thesis proposal or other original research as part of the required research and writing component for this course.**

Student work will be focused on theoretical and practical outcomes, with two main learning goals:

- 1 Building upon and critiquing theories, methods, and processes of design in their original research; and
- 2 Generating an awareness and representation of their personal design philosophy.

Email gray42@purdue.edu if you have any questions about the course or its alignment with your interests.

COURSE READINGS INCLUDE EXCERPTS FROM:

