

Course Prefix and Number: HNR 351

Course Title: Deepen: Honors Integrative Seminar

Credits: 3

Prerequisites: Junior status

Description: Intensive, in-depth study of a special problem or topic. A capstone for the liberal arts component of the student's education. It provides an occasion for considering the ways in which themes/problems can be considered from an interdisciplinary perspective and how to use and understand data to better illustrate course topic.

Objectives: After successful completion of the course the students will be able to

- 1) Illustrate understanding of the topic or theme of the class from an interdisciplinary perspective.
- 2) Demonstrate the skills needed to function in a diverse global community (including inquiry, integrity, inclusion, interdisciplinarity, innovation, internationalization, and critical thinking).
- 3) Describe the argumentative strengths and weaknesses across a range of ethical theories.
- 4) Describe connections between ethical issues across complex situations.
- 5) Communicate in writing and or orally about the connections between complex issues, themes, or problems.
- 6) Interpret key aspects of information appearing in different forms (e.g., graphs, tables, equations, text).
- 7) Draw valid conclusions based on data analysis and critically evaluate conclusions made by others.

Common Topics:

HNR 351 is taught through a variety of lenses in different sections of the course. Since this is a variable course and will focus on developing specific skills while also developing understanding of interdisciplinary consideration of problems, the following topics will be consistent across all sections:

1. Interdisciplinary approach to problems and topics.
2. Synthesis and integration as problem solving tools.

Methods of Evaluation:

Common methods of evaluation:

- Writing (formal or informal)
- Participation
- Presentations
- Peer-evaluations

Discretionary methods of evaluation:

- Exams
- Self-reflection

Sample Source(s) of Information

Since this is a variable course, the reading materials will change based on the specifics studied in the section.

Augsburg, Tanya, *Becoming Interdisciplinary: An Introduction to Interdisciplinary Studies*, 3rd ed. Dubuque, IA.

Allen Repko, *Interdisciplinary Practice: A Student Guide to Research and Writing*. Preliminary Edition. Boston: Pearson Custom Publishing, 2005.

Cathy O'Neil, *On Being a Data Sceptic*. O'Reilly Media, 2013.

Cathy O'Neil, *Doing Data Science: Straight Talk From the Frontline*. O'Reilly Media, 2013.