

Title: HNR 251

Description: Content varies by section but always involves interdisciplinary learning and quantitative problem-solving skills. Teaches students through the pedagogy of Project-Based Learning. Students learn how to delineate a problem or issue and its context, articulate any past efforts to address it, and produce a presentation/product that addresses the issue.

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

1. Learn how to collaborate with others in order to work through the different phases of real-world problem solving.
2. Develop detailed project plans collaboratively and effectively with a team, and then execute those plans collegially and thoughtfully with that team.
3. Demonstrate a sophisticated understanding of the issue/theme/problem of the class by using collaborative research methods to further define the problem and the currently used methods, and work through conceptual problem-solving designs.
4. Analyze the information synthesized on that issue to develop highly contextualized, realistic, and specific solutions for solving the problem.
5. Interpret key aspects of information appearing in different forms (e.g., graphs, tables, equations, text).
6. Draw valid conclusions based on data analysis and critically evaluate conclusions made by others.

Common Topics: HNR 251 is taught through a variety of disciplinary and interdisciplinary lenses in different sections of the course. This is a variable course that focuses on developing problem-solving and collaborative skills while also developing knowledge about the parameters, context and history of different problems.

Common Methods of Evaluation:

Presentations

Class participation

Discretionary Methods of Evaluation:

Essays

Quizzes

Exams

Informal writing

Sample Sources of Information: Because this is a variable course, reading materials will vary significantly based on the focus and topic of the sequence.

Buckenmyer, James. "Using Teams for Class Activities: Making Course/Classroom Teams Work," *Journal of Education for Business*, 2001.

Kahneman, Daniel. *Thinking, Fast and Slow*. 2011.

Lencioni, J.B. *The Five Dysfunctions of a Team*.

Wolfe, Joanna. *Team Writing: A Guide to Working in Groups*.