MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
GMMD 421 – SUSTAINABILITY DESIGN

Created by: Matt Burnett
Updated by: Matt Burnett

Canino School of Engineering Technology
Department: Graphic and Multimedia Design
Semester/Year: Fall 2018
A. **TITLE:** Sustainability Design

B. **COURSE NUMBER:** GMMD 421

C. **CREDIT HOURS:** (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

   - # Credit Hours: 3
   - # Lecture Hours: 2 per week
   - # Lab Hours: 2 per week
   - Other: per week

   Course Length: 15 Weeks

D. **WRITING INTENSIVE COURSE:** Yes ☐ No ☒

E. **GER CATEGORY:** None: ☐ Yes: GER
   
   *If course satisfies more than one: GER*

F. **SEMESTER(S) OFFERED:** Fall ☐ Spring ☒ Fall & Spring ☐

G. **COURSE DESCRIPTION:**

   Sustainability Design is a cross disciplinary study of the issues and efforts surrounding ecological crisis and the move towards sustainability in contemporary design. In this seminar course, students will investigate sustainability issues through lectures from several disciplinary angles, including the sciences, legal studies, economics, humanities and engineering, Following study and discourse around the problems and goals of sustain ability, students will work with faculty to develop a semester long independent project pursuing some of these goals.

H. **PRE-REQUISITES:** None ☒ Yes ☐ If yes, list below:

   **CO-REQUISITES:** None ☐ Yes ☐ If yes, list below:
I. **STUDENT LEARNING OUTCOMES:** *(see key below)*

By the end of this course, the student will be able to:

<table>
<thead>
<tr>
<th>Course Student Learning Outcome [SLO]</th>
<th>Program Student Learning Outcome [PSLO]</th>
<th>GER [If Applicable]</th>
<th>ISLO &amp; SUBSETS</th>
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<tbody>
<tr>
<td>Evaluate contemporary theories of the issues problems and goals surrounding ecological sustainability</td>
<td>Content Knowledge</td>
<td>2-Crit Think 3-Found Skills 4-Soc Respons</td>
<td>IA QTR Subsets</td>
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<td>Research, visit and share institutional and professional resources regarding sustainability</td>
<td>Content Knowledge</td>
<td>2-Crit Think 4-Soc Respons 5-Ind, Prof, Disc, Know Skills</td>
<td>IA ER GL Subsets</td>
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<td>Synthesize critical questions, findings, and ideas surrounding sustainability from seminar course presentations</td>
<td>Design Process Interpretation</td>
<td>2-Crit Think 3-Found Skills ISLO</td>
<td>IA QTR None Subsets</td>
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<td>Create and implement a semester long project in pursuit of identified sustainability goals.</td>
<td>Design Process</td>
<td>1-Comm Skills 2-Crit Think 4-Soc Respons</td>
<td>IA PS GL T</td>
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<td>Create and present a professional presentation/paper that summarizes their research, process and results.</td>
<td>Professional Detail</td>
<td>1-Comm Skills 5-Ind, Prof, Disc, Know Skills ISLO</td>
<td>O Subsets Subsets</td>
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<td>Communication Skills</td>
<td>Oral [O], Written [W]</td>
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<td>Foundational Skills</td>
<td>Information Management [IM], Quantitative Lit./Reasoning [QTR]</td>
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<td>Social Responsibility</td>
<td>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</td>
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<td>5</td>
<td>Industry, Professional, Discipline Specific Knowledge and Skills</td>
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*Include program objectives if applicable. Please consult with Program Coordinator!
J. **APPLIED LEARNING COMPONENT:**  Yes ☒  No ☐

If YES, select one or more of the following categories:

- [ ] Classroom/Lab
- [ ] Internship
- [ ] Clinical Placement
- [x] Practicum
- [ ] Service Learning
- [ ] Community Service
- [ ] Civic Engagement
- [ ] Creative Works/Senior Project
- [ ] Research
- [x] Entrepreneurship
- (program, class, project)

K. **TEXTS:**

At discretion of the instructor

L. **REFERENCES:**


Shepard, Paul  *Man in the Landscape* University of Georgia Press 2002 Copyright 1967


M. **EQUIPMENT:**  None ☐  Needed: X

LCD projector and whiteboard

N. **GRADING METHOD:**  A-F

Graded Essays
Participation in face to face and online reviews
Periodic presentation and revision of semester project
Checktests for lectures and readings
Evaluation of semester long project, presentation, and paper

O. **SUGGESTED MEASUREMENT CRITERIA/METHODS:**

P. **DETAILED COURSE OUTLINE:**
I. A Brief History: The Emergence of Conservation Ideals In American Culture

II. Sustainability, Technology, Resourcism and Renewable Energy

III. Environmental Law: Litigation and Responsibility from the Individual to the International

IV. Environmental Issues, Awareness and Media

V. The Economics of Sustainability

VI. The Burgeoning Environmental Crisis: Invasive species to Climate Change

VII. Project Development and Proposals, Second Reader, Timeline, Revision and Approval

VIII. Project implementation and periodic review

IX. Project completion and Presentation, final presentations and evaluation

Q. LABORATORY OUTLINE: None ☒ Yes ☐