Eastern Illinois University
New/Revised Course Proposal Format
(Approved by CAA on 4/3/14 and CGS on 4/15/14, Effective Fall 2014)

CGS Agenda Item: 19-44
Effective Fall 2020

Banner/Catalog Information (Coversheet)

1. **__X_New Course or _____Revision of Existing Course**
2. **Course prefix and number:** ___GEO 5200_____
3. **Short title:** ___Human Impacts_____
4. **Long title:** ___Human Impacts on the Environment_____
5. **Hours per week:** _3_ Class _0_ Lab _3_ Credit
6. **Terms:** ___ Fall ___ Spring ___ Summer _X_ On demand
7. **Initial term**: _X_ Fall ___ Spring ___ Summer Year: _2020_
8. **Catalog course description:** The course will focus on humans as agents of environmental change. The course and its readings will explore the multitude of impacts that humans have had over time upon vegetation, animals, soil, water, landforms, and the atmosphere. It will consider the ways in which climate changes and modifications in land cover may change the environment in the coming decades.
9. **Course attributes: N/A**

   General education component: _____

   __Cultural diversity __Honors __Writing centered __Writing intensive __Writing active

10. **Instructional delivery**
    Type of Course:

    _X_ Lecture ___ Lab ___ Lecture/lab combined ___ Independent study/research

    ___ Internship ___ Performance ___ Practicum/clinical ___ Other, specify: _____

    Mode(s) of Delivery:

    ___ Face to Face _X_ Online ___ Study Abroad

    ___ Hybrid, specify approximate amount of on-line and face-to-face instruction_____

11. Course(s) to be deleted from the catalog once this course is approved. __None_____
12. **Equivalent course(s):** _____N/A_____

    a. **Are students allowed to take equivalent course(s) for credit?** ___ Yes ___ No

13. **Prerequisite(s): ____None_____**

    a. **Can prerequisite be taken concurrently?** ___ Yes ___ No

b. Minimum grade required for the prerequisite course(s)? ___

c. Use Banner coding to enforce prerequisite course(s)? ___ Yes ___ No

d. Who may waive prerequisite(s)?

___ No one ___ Chair ___ Instructor ___ Advisor ___ Other (specify)

14. Co-requisite(s): _____N/A_____

15. Enrollment restrictions

a. Degrees, colleges, majors, levels, classes which <u>may</u> take the course: Graduate students

b. Degrees, colleges, majors, levels, classes which may <u>not</u> take the course: Undergraduate students

16. Repeat status: _X_ May not be repeated ___ May be repeated once with credit

17. Enter the limit, if any, on hours which may be applied to a major or minor: _3_

18. Grading methods: _X_ Standard ___ CR/NC __ Audit ___ ABC/NC

19. Special grading provisions: N/A

___ Grade for course will <u>not</u> count in a student's grade point average.

___ Grade for course will <u>not</u> count in hours toward graduation.

___ Grade for course will be removed from GPA if student already has credit for or is registered in: _____

___ Credit hours for course will be removed from student's hours toward graduation if student already has credit for or is registered in: _____

20. Additional costs to students:
Supplemental Materials or Software_____none_____

Course Fee _X_No ___Yes, Explain if yes_____

21. Community college transfer:

___ A community college course may be judged equivalent.

_X_ A community college may <u>not</u> be judged equivalent.

Note: Upper division credit (3000+) will <u>not</u> be granted for a community college course, even if the content is judged to be equivalent.

Rationale, Justifications, and Assurances (Part I)

1. _X_Course is required for the major(s) of ____MS in Sustainable Energy_____

   ___Course is required for the minor(s) of _____

   ___Course is required for the certificate program(s) of _____

   ___ Course is used as an elective

2. **Rationale for proposal**: This course was developed to support the curriculum of the revised MS degree in Sustainable Energy (becoming MS in Sustainability). Its content will provide a general foundation in how humans have and continue to impact myriad sectors of the natural environment. This foundation will allow students to better appreciate content they will encounter in other courses in this program that are more directly focused on sustainability.

3. **Justifications for (answer N/A if not applicable)**

   Similarity to other courses: No graduate-level courses are similar.

   Prerequisites: N/A

   Co-requisites: N/A

   Enrollment restrictions: Graduate Students only

   Writing active, intensive, centered: N/A

4. **General education assurances (answer N/A if not applicable)**

   General education component: N/A

   Curriculum: N/A

   Instruction: N/A

   Assessment: N/A

5. **Online/Hybrid delivery justification & assurances (answer N/A if not applicable)**

   Online or hybrid delivery justification: This class will be offered online to enhance accessibility to students who are part of the revised MS in Sustainable Energy degree program and to help recruit students into the program.

   Instruction: Lectures of the instructor will be recorded using a learning management system in order to replicate the type of learning that occurs in a face-to-face class. Other course materials, such as the textbook, videos, readings, and discussions will also be available online. Students will submit assignments and participate in discussion board posts online. Instructors assigned to teach the course will have completed the appropriate online training.

   Integrity: Learning management system tools will be used to monitor the academic integrity of written assignments, which checks for originality and authenticity. The instructor will correspond with students electronically by giving comment and feedback on assignments. Discussion board posts will be monitored to ensure proper online etiquette, as well as making sure the posts are not repeating the same information from assignments.

   Interaction: Students will have access to online drop-boxes for assignments, online discussion boards, and e-mail access to the other students. Students will be able to contact the instructor through e-mail, or by phone during office hours or a scheduled appointment time.

The instructor will also correspond with students electronically by giving comment and feedback on assignments.

Model Syllabus (Part II)

Please include the following information:

1. Course number and title

- GEO 5200: Human Impacts on the Environment

2. Catalog description

- The course will focus on humans as agents of environmental change. The course and its readings will explore the multitude of impacts that humans have had over time upon vegetation, animals, soil, water, landforms, and the atmosphere. It will consider the ways in which climate changes and modifications in land cover may change the environment in the coming decades.

3. Learning objectives.

A. Develop a foundational awareness of historic, current, and potential ways in which humans have impacted facets of the planet's natural environment. (GLG 1, 2)

B. Explain and critique anthropogenic driving forces that are responsible for significant impacts on environmental features and systems. (GLG 1-3)

C. Evaluate and analyze data and methods developed for assessing the status of environmental variables and modeling environmental change. (GLG 1-4)

4. Course materials.

- Textbook: Goudie, A.S. 2018. *Human Impacts on the Natural Environment*. Wiley-Blackwell. 472 pages. ISBN 978-1-119-40355-5
- Additional readings (*e.g.* journal articles, gov't reports) made available via a learning management system.

5. Weekly outline of content.

This weekly content generally follows the outline of the Goudie textbook. The textbook's website also includes student resources that will be used in conjunction with the weekly recorded lecture videos and supplemental journal articles.

1. Introduction to Human Impacts
2. Methods of Monitoring Human Impacts; *Assignment #1*
3. Human Impacts on Vegetation; *Research Proposal Due*
4. Human Impacts on Animals
5. Human Impacts on Soil; *Assignment #2*
6. Human Impacts on Hydrology
7. Human Impacts on Geomorphology; *Assignment #3*
8. Human Impacts on Climate & Atmosphere; *Mid-term Exam*
9. The Future: Introduction

10. The Future: Approaches to Modeling Human Impacts; *Assignment #4*
11. The Future: Coastal Environments
12. The Future: Hydrology; *Annotated Bibliography Due*
13. The Future: Geomorphology; *Assignment #5*
14. The Future: The Cryosphere
15. The Future: The Drylands

Final Exam/Final Paper Due

6. Assignments and evaluation, including weights for final course grade.

• Online Discussion Board Posts (5 x 10 pts)	50
• Online Assignments (5 x 10 pts)	50
• Exams (2 x 50 pts)	100
• Research Paper Proposal (1 x 10 pts)	10
• Annotated Bibliography (1 x 40 pts)	40
• Research Paper (1 x 50 pts)	50
Total	300

7. Grading scale.

- >/=90% = A 89% to 80% = B 79% to 70% = C 69% to 60% = D <60% = F

8. Correlation of learning objectives to assignments and evaluation.

Course Objectives (University Learning Goals and Graduate Learning Objectives	**Online Discussion Boards (17%)**	**Online Assignments (17%)**	**Exams (33%)**	**Proposal (3%)**	**Bibliography (13%)**	**Research Paper (17%)**
A	X	X	X	X		X
B	X	X	X		X	X
C	X	X	X		X	X

Date approved by the department or school: 8-30-19
Date approved by the college curriculum committee: 9-11-19
Date approved by the Honors Council *(if this is an honors course):* n/a
Date approved by CAA: CGS: