

CHECKLIST FOR **GLOBAL ENVIRONMENTAL SCIENCE (GES)** UNDERGRADUATES

Boxes are checked off only if a grade of C (not C-) or better is earned in the course.

STUDENT NAME \_\_\_\_\_ I.D. NUMBER \_\_\_\_\_

EMAIL: \_\_\_\_\_ PHONE/PAGER: \_\_\_\_\_

SEMESTER & YEAR ENTERED UH: \_\_\_\_\_ CLASS STATUS UPON ENTRY @ UH: \_\_\_\_\_

**GES CORE BASIC SCIENCES:**

- BIOL 171, Introduction to Biology I (3)
- BIOL 171L, Introduction to Biology Lab (1)
- CHEM 161, General Chemistry (3)
- CHEM 161L, General Chemistry I Lab (1)
- MATH 241, Calculus I (4)
- MATH 242, Calculus II (4)
- MATH 243, Calculus III (3) **and**  MATH 244, Calculus IV (3)
- OR**  • OCN 312, Geomathematics (3) **and**  • ECON 321 Introduction to Statistics (3)
- PHYS 170, General Physics I (4)
- PHYS 170L, General Physics I Lab (1)
- BIOL 172, Introduction to Biology II (3)
- BIOL 172L, Introduction to Biology Lab II (1)
- CHEM 162, General Chemistry II (3)
- CHEM 162L, General Chemistry II Lab (1)
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- PHYS 272, General Physics II (3)
- PHYS 272L, General Physics II Lab (1)

**GES CORE DERIVATIVE COURSES:**

- GG 101, Dynamic Earth (3) **and**  GG 101L, Dynamic Earth Lab (1)
- OR**  GG 170, Physical Geology (4)
- OCN 201, Science of the Sea (3) **and**  OCN 201L, Science of the Sea Lab (1)
- MET 200 Descriptive Meteorology (3)

**GES FOUNDATION COURSES:**

- OCN 100, Global Environmental Science Seminar (1)
- OCN 310, Global Environmental Change (3)
- OCN 310L, Global Environmental Change Lab (2)
- OCN 320, Aquatic Pollution (3)
- OCN 363, Interpretation of Earth-system Computer Databases (3)
- OCN 401, Biogeochemical Systems (3)
- GEOG 411, Paleoenvironmental Change (3)
- OR**  • GEOG 410, Human Role in Environmental Change (3)

**GES COUPLED SYSTEMS COURSES** (12 credits):

Upper division courses of relevance to environmental issues as approved by the GES program; not to include laboratory, directed reading, field, or internship courses. Examples of courses are available in UHM catalog and on GES website.

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**SENIOR RESEARCH COURSES:**

- OCN 490, Communicating Research Results (2)
- OCN 499, Undergraduate Thesis (3 credits required)

**FINAL REQUIREMENTS:**

- Senior Thesis
- Oral Presentation

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• Denotes upper division course

04/15