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:** __________________________________@hawaii.edu  **PHONE:** ___________________________

**SEMESTER & YEAR ENTERED UH:** ___________________________  **GES Track (if applicable):** ___________________________

**SOEST REQUIREMENT:**  □ OEST 100 The College Experience (1)

**GES CORE BASIC SCIENCES:**
- □ BIOL 171, Introduction to Biology I (3)  □ BIOL 172, Introduction to Biology II (3)
- □ BIOL 171L, Introduction to Biology Lab (1)  □ BIOL 172L, Introduction to Biology Lab II (1)
- □ CHEM 161, General Chemistry (3)  □ CHEM 162, General Chemistry II (3)
- □ CHEM 161L, General Chemistry I Lab (1)  □ CHEM 162L, General Chemistry II Lab (1)
- □ MATH 241, Calculus I (4)
- □ MATH 242, Calculus II (4)
- □ MATH 243, Calculus III (3) and □ MATH 244, Calculus IV (3)
  - OR □ GG/OCN 312, Advanced Math. For Scientist & Engineers I (3) and □ ECON 321 Introduction to Statistics (3)
- □ PHYS 170, General Physics I (4)  □ PHYS 272, General Physics II (3)
- □ PHYS 170L, General Physics I Lab (1)  □ 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)
- □ ATMO 200 Atmospheric Processes and Phenomena (3)

**GES FOUNDATION COURSES:**
- □ OCN/GES 100, Global Environmental Science Seminar (1)
- □ OCN/GES 102, Introduction to the Environment & Sustainability (3)
- □ OCN/GES 310, Global Environmental Change (3)
- □ OCN/GES 310L, Global Environmental Change Lab (2)
- □ OCN/GES 320, Aquatic Pollution (3)
- □ OCN/GES 401, Biogeochemical Systems (3)
- □ OCN/GES 463, Interpretation of Earth-system Computer Databases (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.

- □ ___________________________ ( )  □ ___________________________ ( )
- □ ___________________________ ( )  □ ___________________________ ( )

**SENIOR RESEARCH COURSES:**
- □ OCN/GES 490, Communicating Research Results (2)  □ OCN 499/GES, Undergraduate Thesis (3 credits required)

**FINAL REQUIREMENTS:**
- □ Senior Thesis  □ Oral Presentation

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Effective Fall 2019