

CONCENTRATIONS IN THE SCIENCE OF EARTH SYSTEMS MAJOR

THE FOUR MAIN CONCENTRATIONS, LISTING FOR EACH ONE SEVEN **REPRESENTATIVE POSSIBILITIES** THAT COULD BE TAKEN TO SATISFY THE REQUIREMENT OF FOUR UPPER-LEVEL COURSES. STUDENTS MAY WORK OUT **INDIVIDUALIZED ALTERNATIVE PROGRAMS** WITH THEIR ADVISORS. MOST COURSES ARE LISTED UNDER ONLY ONE CONCENTRATION, BUT MANY WOULD BE APPROPRIATE FOR MORE THAN ONE.

Abbreviations: BEE = Biological and Environmental Engineering, BIO EE = Biological Sciences, Ecology and Evolutionary Biology; CEE = Civil and Environmental Engineering; EAS = Earth and Atmospheric Sciences.

| ATMOSPHERIC SCIENCES | OCEAN SCIENCES | BIOGEOCHEMISTRY | GEOLOGICAL SCIENCES |
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| <p>REPRESENTATIVE CONCENTRATION COURSES — FOR A COMPLETE LISTING, WITH MANY TIMES MORE POSSIBILITIES, SEE THE EAS WEBSITE http://www.eas.cornell.edu/ OR THE CURRENT CORNELL CATALOG (COURSES OF STUDY) http://cuinfo.cornell.edu/Academic/Courses/</p> | | | |
| EAS 3410, Atmospheric Thermodynamics and Hydrostatics | EAS 3500, Dynamics of Marine Ecosystems | EAS 3220, Biogeochemistry of the Hawaiian Islands* | EAS 4010, Fundamentals of Energy and Mineral Resources |
| EAS 3420, Atmospheric Dynamics | EAS 3510, Conservation Oceanography | BIO EE 3690, Chemical Ecology | EAS 4260, Structural Geology |
| EAS 3520, Synoptic Meteorology I | EAS 3530, Physical Oceanography | BEE 3710, Physical Hydrology of Ecosystems | EAS 4530, Mineralogy |
| EAS 4435, Micro Meteorology | CEE 4359, Coastal Engineering | CEE 4320, Hydrology | EAS 4540 Petrology and Geochemistry |
| EAS 4510, Synoptic Meteorology II | EAS 4600, Marine Geology and Geophysics | EAS 4550, Geochemistry | EAS 4760, Sedimentary Basins |
| EAS 4470, Physical Meteorology | EAS 4620, Marine Ecology | BEE 4800, Introduction to Atmospheric Chemistry | EAS 4880, Global Geophysics |
| ... or an additional Core Course (EAS 3010, 3030, 3040, 3050) | | | |
| <i>REPRESENTATIVE CONCENTRATION-SPECIFIC FIELD COURSES</i> | | | |
| EAS 2500, Meteorological Observations and Instruments | EAS 3400, Field Study of the Earth System*; Courses at Cornell's Shoals Marine Laboratory | EAS 3400, Field Study of the Earth System* | EAS 4170, Field Mapping in Argentina; EAS 4370, Geophysical Field Methods |

* Hawaii Environmental Semester Program

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