Ecology and Evolution Emphasis Area Checklist

I. Core Courses
    ________BI 370 Ecology
    ________BI 380 Evolution

II. Statistics Requirements: ______ ANTH 470, or BI 399 Intro Experimental Design & Statistics, or BI 473*, or GEOL 418, or MATH 243, or MATH 425, or PSY 302, or equivalent.

* BI 473 Quantitative Ecology can be used to satisfy only one category

**Course taken to fulfill the lab/field requirement cannot also be used to fulfill the advanced electives requirement.

III. Biological Lab/Field Course: At least one field or lab course from the following: **

    ________BI 306 Pollination Biology
    ________BI 307 Forest Biology
    ________BI 357 Marine Biology
    ________BI 372 Field Biology
    ________BI 448 Field Botany
    ________BI 452 Insect Biology
    ________BI 455 Marine Birds & Mammals
    ________BI 468 Amphibians & Reptiles
    ________BI 473 Quantitative Ecology*
    ________BI 474 Marine Ecology
    ________BI 476 Terrestrial Ecosyst Ecology
    ________OXLA 488: BI Neotropical Ecol Fld Stdy

IV. Advanced Electives: At least three additional courses from the following: **

    ________BI 401 Research (4 credits min.)
    ________BI 410 Marine Micro: Phytoplankton Ecol
    ________BI 410 Microbial Ecology
    ________BI 410 Tropical Marine Ecology
    ________BI 410 Neotropical Ecology
    ________BI 410 Ecological Restoration
    ________BI 432 Mycology
    ________BI 442 Systematic Botany
    ________BI 448 Field Botany
    ________BI 451 Invertebrate Zoology
    ________BI 452 Insect Biology
    ________BI 454 Estuarine Biology
    ________BI 455 Marine Birds & Mammals
    ________BI 457 Subtidal & Deep Sea Ecology
    ________BI 457 Biology of Fishes
    ________BI 468 Amphibians & Reptiles
    ________BI 471 Population Ecology
    ________BI 472 Community Ecology
    ________BI 473 Quantitative Ecology*
    ________BI 474 Marine Ecology
    ________BI 476 Terrestrial Ecosyst Ecology
    ________BI 484 Molecular Evolution
    ________BI 486 Population Genetics
    ________BI 487 Molecular Phylogenetics
    ________BI 488 Evolutionary Processes
    ________BI 490 Theoretical Ecology
    ________BI 496 Conservation Genetics
    ________BI 498 Biology & Politics
    ________OXLA 488: BI Neotropical Ecol Fld Stdy

Last Updated 4/19/2018
IV. Advanced Electives Continued - Outside-Departmentally Approved Courses:**

___ANTH 462 Paleoprimatology ___GEOG 421 Advanced Climatology
___ANTH 463 Primate Behavior ___GEOG 423 Advanced Biogeography
___ANTH 467 Paleoecology Human Evo ___GEOG 431 Vegetation History &
___ANTH 468 Evolutionary Theory Ecosystems Dynamics
___ANTH 472 Primate Conservation ___GEOG 433 Fire & Natural Disturbances
___ENVS 375 Oregon Seminar ___GEOL 431 Invertebrate/Marine
___ENVS 410 Philosophy of Ecology Paleobiology
___ENVS 427 Environmental & Ecological ___GEOL 433 Paleobotany
      Monitoring ___GEOL 434 Vertebrate Paleontology
___ENVS 465 Wetland Ecology & Mgmt. ___GEOL 435 Paleopedology
___ENVS 477 Soil Science ___LA 441 Principles of Applied Ecology
___GEOG 323 Biogeography

Please note: Not all 400-level courses are offered every year.

Note: Students taking BI 374 or BI 375 Spring 2013 or earlier may still apply them towards this emphasis. After Spring 2013 these courses do not apply here.