EA-COS-17-19
Effective Fall 2017

Eastern Illinois University

M e m o r a n d u m

College of Sciences
Old Main, Room 2118
Dean 581-3328
dgklarup@eiu.edu

TO: **Dr. Chris Laingen, CGS Chair**
FROM: **Dr. Douglas Klarup, COS Interim Dean**
DATE: **March 7, 2017**
RE: **Executive Action Taken at the College of Sciences Curriculum Committee Meeting on February 24, 2017**

The following request was approved by executive action at the College of Sciences Curriculum Committee meeting on February 24, 2017. The request would be effective Fall 2017. I ask that similar action be taken at the Council on Graduate Studies.

Requested Change:

Replace each occurence of a BIO3800 Ecology course prerequisite in the course catalog with BIO3180 Ecology and Evolution.

Rationale for Change:

The Department of Biological Sciences has approved the replacement of two core courses (BIO 3800 Ecology and BIO 4984 Organic Evolution) with a single course (BIO3180 Ecology and Evolution) that incorporates additional evolutionary concepts into the ecology content. This change combines content while allowing more flexibility in the curriculum by reducing the core requirements. BIO3800 will be discontinued and should be replaced by BIO3180 as a prerequisite course for all courses currently requiring BIO3800 completion.

Effective Date: Fall 2017

Original

BIO 4812 - Fisheries Ecology and Management.
(2-3-3) Relationships of fish with biotic and abiotic components of their environment. Role of fishes in aquatic ecosystems and current management strategies. **Prerequisites & Notes:** **BIO 3800**. BIO 4750 recommended. Credits: 3

BIO 4814 - Conservation Biology.
(3-0-3) Study of the application of ecological and genetic principles to the preservation and conservation of biological diversity. Topics will include the demography and genetics of small populations, population viability, island biogeography, and the design of nature reserves. WI **Prerequisites & Notes:** BIO 3200 and **3800.** Credits: 3

BIO 4816 - Study of Biotic Communities.
(2-Arr.-3) The study of selected biotic communities in Illinois and surrounding states. May be repeated for credit if a different topic is taught. **Prerequisites & Notes:** Major in Biological Sciences; 12 semester hours in Biological Sciences including **BIO 3800** or 4810; or permission of the instructor. Credits: 3

BIO 4842 - Wildlife Ecology and Management.
(3-0-3) S. Principles of managing wildlife resources with emphasis on population ecology, habitat management and the social context of wildlife management. **Prerequisites & Notes:** **BIO 3800** or permission of instructor. Credits: 3

BIO 4850 - Wildlife Techniques.
(2-3-3) F. Instruction in current field, lab and analytical techniques in wildlife biology. This will include: population and biodiversity estimation, capture and marking, behavioral observations, age estimation, condition assessment, biotelemetry, and habitat assessment. BIO 5372 and BIO 3960 are equivalent courses. Students will not be allowed to earn credit in BIO 4850 if they already have received credit for BIO 5372 or BIO 3960. Grade and credit hours for this course will be removed if student already has credit for those courses. **Prerequisites & Notes:** Junior-level standing and "C" or better in BIO 3950 or **BIO 3800** or permission of instructor. BIO 4750 recommended. Credits: 3

BIO 4950 - Ichthyology.
(2-3-3) Study of the anatomy, physiology, systematics and zoogeography of fishes. **Prerequisites & Notes:** **BIO 3800** or BIO 3950 or permission of instructor. Credits: 3

BIO 4952 - Herpetology.
(2-3-3) S-even-numbered years. A survey of the amphibian and reptilian classes, with emphasis on the extant herpetofauna of “Mid-West” region of the North America. Material presented in lecture will be supplemented with laboratory examinations of preserved specimens and field trips to regional sites for surveying available taxa. **Prerequisites & Notes:** **BIO 3800** or BIO 3950 and junior-level standing. Credits: 3

BIO 4954 - Ornithology.
(2-3-3) The identification, classification, distribution, and natural history of Midwestern birds. WI **Prerequisites & Notes:** **BIO 3800** or BIO 3950 or permission of instructor. Credits: 3

BIO 4956 - Mammalogy.
(2-3-3) F. A study of mammals with emphasis on mammalian evolution, classification, distribution, physiology, natural history and ecology. **Prerequisites & Notes:** **BIO 3800** or permission of the instructor. Credits: 3

Modified

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