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| For Academic Affairs and Research Use Only |
| Proposal Number: |  |
| CIP Code:  |  |
| Degree Code: |  |

 **Course Deletion Proposal Form**

**[ ] Undergraduate Curriculum Council**

**[x] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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| David F. Gilmore | 2/9/2021 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Stephen J. Mullin | 2/9/2021 |

**Department Chair** |

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**Head of Unit (if applicable)**   |
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| John Hershberger | 2/24/2021 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| Lynn Boyd | 2/25/2021 |

**College Dean** |

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**Graduate Curriculum Committee Chair** |
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**General Education Committee Chair (if applicable)**   |

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| Alan Utter | 4/2/2021 |

**Vice Chancellor for Academic Affairs** |

1. **Course Title, Prefix and Number**

Laboratory for Mammalogy

BIO 5351

1. **Contact Person** (Name, Email Address, Phone Number)

Kyle Gustafson

kgustafson@astate.edu

870-972-3174

1. **Justification**

The course is being merged into a new 4-credit Mammalogy course (BIO 5354; see “New or modified course proposal form”)

1. **Last semester course will be offered**

Fall 2020

1. **Yes / No Does this course appear in your curriculum? (if yes, and this deletion changes the curriculum, a Program Modification Form is required)**

No

1. **Yes / No Is this course dual-listed (undergraduate/graduate)?**

Yes, with BIO 4351 Mammalogy Laboratory

1. **Yes / No Is this course cross-listed with a course in another department?**

If yes, which course(s)?

 No

1. **Yes / No Is there currently a course listed in the Bulletin or Banner which is a one-to-one equivalent to this course (please check with the Registrar’s Office if unsure)?**

If yes, which course?

No

**Bulletin Changes**

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| **Instructions**  |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.** **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  |

**Graduate Bulletin**

**BEFORE – GRADUATE BULLETIN – Page 393**

**BIO 5333. Marine Biology** Overview of the diverse discipline of marine biology. Emphasis on life history but will incorporate aspects of chemistry, microbiology, and ecology of marine systems. Also included: marine fisheries, conservation biology, aquaculture, pharmacology, resource management, and public policy.

**BIO 5341. Laboratory for Animal Embryology** Two hours per week. To be taken concurrently with BIO 5343.

**BIO 5342. Laboratory for Animal Histology** Four hours per week. To be taken concurrently with BIO 5332.

**BIO 5343. Animal Embryology** Study of reproduction and development in animals, including reproductive systems, gamete formation, fertilization, early cleavage, formation of germ layers, and development of the organ systems. Lecture three hours per week.

**BIO 5351. Laboratory for Mammalogy** Three hours per week. To be taken concurrently with BIO 5352. Special course fees may apply.

**BIO 5352. Mammalogy** Classification, distribution, structure, ecology, adaptations, and economic importance of mammals. Lecture two hours per week. Prerequisites, BIO 1301,1303.

**BIO 5361. Laboratory for Mammalian Neurobiology** Two hours per week. To be taken concurrently with BIO 5363. Special course fees may apply.

**BIO 5362. Applied Aquaculture** Field course in which principles are applied within several aquaculture business settings. Intended for the student interested in wildlife and fisheries biology. Prerequisites, BIO 4311 AND 4312.

**BIO 5363. Mammalian Neurobiology** A detailed study of the mammalian nervous system with particular emphasis on morphological aspects. Lecture three hours per week. Prerequisites, BIO 1301, 1303, 2201, 2203 or permission of professor.

**BIO 5371. Laboratory for Animal Ecology** Two hours per week. To be taken concurrently with BIO 5373. Special course fees may apply.

**BIO 5372. Applied Fisheries** Field course in which principles are applied within several fisheries management settings. Intended for the Wildlife Ecology and Management major. Special course fees may apply. Prerequisite, BIO 4311.

**BIO 5373. Animal Ecology** A study of the distribution, abundance, population dynamics, behavior, and interactions of animals. Lecture three hours per week. Prerequisites, BIO 3023.

**BIO 5382. Parasitology** The parasites of vertebrates and plants with emphasis on protozoan and helminth parasites of man and domestic animals. Lecture two hours per week. Prerequisites, BIO 1301, 1303.

**BIO 5383. Herpetology** Examination of the biology amphibians and reptiles, with emphasis on evolutionary history, behavior, physiology, morphology, and ecology. Three hours per week.

**BIO 5392. Laboratory for Parasitology** Four hours per week. To be taken concurrently with BIO 5382. Special course fees may apply.

**BIO 5401. Laboratory for Ichthyology** Two hours per week. To be taken concurrently with BIO 5402. Special course fees may apply.

**BIO 5402. Ichthyology** The taxonomy, distribution, natural history, and economic importance of fishes, with emphasis on Arkansas species. Lecture two hours per week. Prerequisites, BIO 1301, 1303.

**BIO 5403. Comparative Vertebrate Reproduction** This combined lecture/lab course surveys major events in the vertebrate reproductive cycles and patterns. Prerequisites BIO 3231 and 3233 or 3323, or instructor permission.

**BIO 5411. Laboratory for Herpetology** Two hours per week. To be taken concurrently with BIO 5412. Special course fees may apply.

**AFTER – GRADUATE BULLETIN – Page 393**

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**BIO 5343. Animal Embryology** Study of reproduction and development in animals, including reproductive systems, gamete formation, fertilization, early cleavage, formation of germ layers, and development of the organ systems. Lecture three hours per week.

**BIO 5354. Mammalogy** Evolution, phylogenetics, biogeography, structure, ecology, taxonomy, and field techniques of mammals. Special course fees may apply. Lecture three hours and lab three hours per week.

**BIO 5361. Laboratory for Mammalian Neurobiology** Two hours per week. To be taken concurrently with BIO 5363. Special course fees may apply.

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