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

 **Course Deletion Proposal Form**

**[x] Undergraduate Curriculum Council**

**[ ] 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 | 3/15/2021 |

**Vice Chancellor for Academic Affairs** |

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

Mammalogy Laboratory

BIO 4351

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 4354; 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)**

Yes, but it doesn’t change the curriculum

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

Yes, with BIO 5351 Laboratory for Mammalogy

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.**  |

**Undergraduate Bulletin**

**BEFORE – UNDERGRADUATE BULLETIN – Page 399**

Zoology elective:

BIO 3303 **AND** BIO 3301, General Entomology and Laboratory

BIO 3313 **AND** BIO 3311, Economic Entomology and Laboratory

BIO 3302 **AND** BIO 3312, Comparative Anatomy and Laboratory

BIO 3322 **AND** BIO 3332, Invertebrate Zoology and Laboratory

BIO 4322 **AND** BIO 4323, Biology of Marine Mammals and Laboratory

BIO 4332 **AND** BIO 4342, Animal Histology and Laboratory

BIO 4333, Marine Biology

BIO 4343 **AND** BIO 4341, Animal Embryology and Laboratory

BIO 4352 **AND** BIO 4351, Mammology and Laboratory

BIO 4362, Applied Aquaculture

BIO 4363 **AND** BIO 4361, Mammalian Neurobiology and Laboratory

BIO 4372, Applied Fisheries

BIO 4373 **AND** 4371, Animal Ecology and Laboratory

BIO 4382 **AND** BIO 4392, Parasitology and Laboratory

BIO 4403, Comparative Vertebrate Reproduction

BIO 4412 **AND** BIO 4411, Herpetology and Laboratory

BIO 4423 **AND** BIO 4421, Ornithology and Laboratory

BIO 4433, Field Experience in Marine Environments

 BIO 4443 **AND** 4441, Comparative Animal Physiology and Laboratory

An individual course cannot be used as both a required course and an elective.

**AFTER – UNDERGRADUATE BULLETIN – Page 399**

Zoology elective:

BIO 3303 **AND** BIO 3301, General Entomology and Laboratory

BIO 3313 **AND** BIO 3311, Economic Entomology and Laboratory

BIO 3302 **AND** BIO 3312, Comparative Anatomy and Laboratory

BIO 3322 **AND** BIO 3332, Invertebrate Zoology and Laboratory

BIO 4322 **AND** BIO 4323, Biology of Marine Mammals and Laboratory

BIO 4332 **AND** BIO 4342, Animal Histology and Laboratory

BIO 4333, Marine Biology

BIO 4343 **AND** BIO 4341, Animal Embryology and Laboratory

BIO 4354, Mammalogy

BIO 4362, Applied Aquaculture

BIO 4363 **AND** BIO 4361, Mammalian Neurobiology and Laboratory

BIO 4372, Applied Fisheries

BIO 4373 **AND** 4371, Animal Ecology and Laboratory

BIO 4382 **AND** BIO 4392, Parasitology and Laboratory

BIO 4403, Comparative Vertebrate Reproduction

BIO 4412 **AND** BIO 4411, Herpetology and Laboratory

BIO 4423 **AND** BIO 4421, Ornithology and Laboratory

BIO 4433, Field Experience in Marine Environments

 BIO 4443 **AND** 4441, Comparative Animal Physiology and Laboratory

An individual course cannot be used as both a required course and an elective.

**BEFORE – UNDERGRADUATE BULLETIN – Page 401**

Select two of the following:

BIO 4352 **AND** 4351, Mammalogy and Laboratory

BIO 4412 **AND** 4411, Herpetology and Laboratory

BIO 4423 **AND** 4421, Ornithology and Laboratory

**AFTER – UNDERGRADUATE BULLETIN – Page 401**

Select two of the following:

BIO 4354, Mammalogy

BIO 4412 **AND** 4411, Herpetology and Laboratory

BIO 4423 **AND** 4421, Ornithology and Laboratory

**BEFORE – UNDERGRADUATE BULLETIN – Page 444**

**BIO 4342. Animal Histology Laboratory** Four hours per week. Special course fees may apply. To be taken concurrently with BIO 4332. Spring.

**BIO 4343. 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. Special course fees may apply. To be taken concurrently with BIO 4341. Prerequisites, BIO 1301 and BIO 1303. Spring.

**BIO 4351. Mammology Laboratory** Three hours per week. Special course fees may apply. To be taken concurrently with BIO 4352. Fall, even.

**BIO 4352. Mammology** Classification, distribution, structure, ecology, adaptations, and economic importance of mammals. Lecture two hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303. Fall, even.

**BIO 4361. Mammalian Neurobiology Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4363. Fall, odd.

**BIO 4362. Applied Aquaculture** Field course in which principles of aquaculture are applied within several public and private enterprises. Intended for the student interested in wildlife, fisheries biology, and agriculture. Special course fees may apply. Prerequisites, BIO 4311 and BIO 4312. Summer.

**BIO 4363. Mammalian Neurobiology** A detailed study of the mammalian nervous system with particular emphasis on morphological aspects. Lecture three hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303, or BIO 2223 and BIO 2221, or instructor permission. Fall, odd.

**BIO 4371. Animal Ecology Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4373. Fall, odd.

**BIO 4372. 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. Summer.

**BIO 4373. Animal Ecology** The relationship of animals to their chemical, physical, and biological environment, and the distribution of animal life. Lecture three hours per week. Special course fees may apply. Prerequisites, BIO 3023. Fall, odd.

**BIO 4382. Parasitology** Parasites of vertebrates and plants, with emphasis on protozoan and helminth parasites of man and domestic animals. Lecture two hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303. Spring.

**BIO 4392. Parasitology Laboratory** Four hours per week. Special course fees may apply. To be taken concurrently with BIO 4382. Spring.

**BIO 4401. Ichthyology Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4402. Fall, even.

**BIO 4402. Ichthyology** Taxonomy, distribution, natural history, and economic importance of fishes, with emphasis on Arkansas species. Lecture two hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303. Fall, even.

**BIO 4403. Comparative Vertebrate Reproduction** This combined lecture and lab course surveys major events in the vertebrate reproductive cycles and patterns. Special course fees may apply. Prerequisites, BIO 4441 and BIO 4443, or BIO 3323 and 3321. Dual Listed BIO 5403. Fall, even.

**BIO 4411. Herpetology Laboratory** Three hours per week. Special course fees may apply. To be taken concurrently with BIO 4453. Spring, even.

**BIO 4413. Wildlife Program Internship** Participation in a professional wildlife or fisheries educational, management or research program activity. Internship is arranged by the student and may be a volunteer or paid position. Entails a minimum of 160 work hours. Special course fees may apply. Must be approved by advisor or chair. Fall, Spring, Summer.

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**BIO 4354. 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. Prerequisites, “C” or better in both BIO 1301 and BIO 1303.

**BIO 4361. Mammalian Neurobiology Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4363. Fall, odd.

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**BIO 4392. Parasitology Laboratory** Four hours per week. Special course fees may apply. To be taken concurrently with BIO 4382. Spring.

**BIO 4401. Ichthyology Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4402. Fall, even.

**BIO 4402. Ichthyology** Taxonomy, distribution, natural history, and economic importance of fishes, with emphasis on Arkansas species. Lecture two hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303. Fall, even.

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