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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 | 3/15/2021 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Stephen J. Mullin | 3/15/2021 |

**Department Chair** |

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**Head of Unit (if applicable)**   |
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| John Hershberger | 3/15/2021 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| Lynn Boyd | 3/16/2021 |

**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 | 4/12/2021 |

**Vice Chancellor for Academic Affairs** |

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

**BIO 4323. Biology of Marine Mammals, BIO 4322. Marine Mammals Laboratory**

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

David Gilmore, dgilmore@astate.edu, 972-3263

1. **Justification**

These courses were the creation of a faculty member who has long since left. There are no current faculty interested in teaching it, and it is not a part of any degree program except as electives as shown below.

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

Sometime in the past. Consult Registrar.

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 only as one of many electives.

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

No

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.**  |

**Major in Wildlife, Fisheries and Conservation (cont.)**

**Bachelor of Science**

**Emphasis in Fisheries**

A complete 8-semester degree plan is available at <https://www.astate.edu/info/academics/degrees/>

**Zoology elective: 3-5**

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.

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**Major in Wildlife, Fisheries and Conservation (cont.)**

**Bachelor of Science**

**Emphasis in Wildlife**

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|  |  |
| **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. Page 401 |
| **P. 402****Minor in Marine Science**

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| **Required Courses:***.*Other applicable courses may be added in the future to select from as appropriate. | **Sem. Hrs.** |
| BIO 4333, Marine Biology | 3 |
| BIO 4433, Field Experiences in Marine Systems | 3 |
| BIO 4413, Wildlife Internship | 3 |
| **Electives (select six hours from the following):***Other courses may be substituted with departmental approval.*BIO 4323, Marine MammalsBIO 4322, Marine Mammals Laboratory BIO 4402, IchthyologyBIO 4401, Ichthyology Laboratory BIO 3322, Invertebrate ZoologyBIO 3332, Invertebrate Zoology Laboratory | 6 |
| **Total Required Hours:** | **18** |

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**BIO 4322. Marine Mammals Laboratory** Hands on experience on the classification, anatomy, and behavior of marine mammals. Concurrent enrollment in BIO 4323. Special course fees may apply. Instructor permission required. Spring, odd.

**BIO 4323. Biology of Marine Mammals** This course analyzes the biology of marine mammals based on their adaptations to the aquatic environment from evolutionary, anatomical, physiological, and ecological perspectives. Special course fees may apply. Prerequisites will be at least two the following courses, BIO 3312, BIO 4352, BIO 4653, BIO 3023, or BIO 3033. Instructor permission required. Spring, odd.

**BIO 4332. Animal Histology** Cells and tissues of the organ systems of vertebrates. Lecture two hours per week. Special course fees may apply. Prerequisites, BIO 3302 and BIO 3312. Spring.

**BIO 4333. Marine Biology** Overview of the diverse discipline of marine biology. Emphasis on life history but will incorporate aspects of chemistry, microbiology, molecular biology, and ecology of marine systems. Also includes marine fisheries, conservation biology, aquaculture, pharmacol­ogy, resource management, and public policy. Special course fees may apply. Prerequisites, BIO 1303 and BIO 1301 or BIOL 1003 and 1001, and BIO 3023, or instructor permission. Dual listed BIO 5333. Spring, even.

**BIO 4341. Animal Embryology Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4343. Spring.

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