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| CIP Code:  |  |
| Degree Code: |  |

**Bulletin / Banner Change Transmittal 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.

Email completed proposals to curriculum@astate.edu for inclusion in curriculum committee agenda.

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| Tanja McKay | 9/20/2018 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Tanja McKay | 9/20/2018 |

**Department Chair:**  |

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**Head of Unit (If applicable)**   |
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| David F. Gilmore | 9/20/2018 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| Anne Grippo | 9/20/2018 |

**College Dean** |

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

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**Vice Chancellor for Academic Affairs** |

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

John Artim

jartim@astate.edu

+1.870.972.3649

**2.Proposed Change**

Bulletin description for BIO 6601 currently reads, in part: “…To be taken concurrently with ENVR 6103 and BIO 6603.” but should read, “To be taken concurrently with BIO 6603.”

**3.Effective Date**

Spring 2018

**4.Justification –** *Please provide details as to why this change is necessary.*

ENVR 6103 and BIO 6603 both refer to the same course. The ENVR is an old Biology prefix no longer in use, and ENVR 6103 became BIO 6603. Therefore this is a typo that needs to be corrected.

**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. Follow the following guidelines for indicating necessary changes.** **\*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.** - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)- New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font). - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)*You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.**Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

**BIO 6513. Global Change Biology** Ecological and evolutionary impacts of anthropogenic global changes. Investigation of pollution, climate change, land use change, and species invasions as important factors involved in losses of and changes in distributions of biodiversity. Prerequisite: This course will serve graduate students in biological sciences and environmental sciences. Previous coursework in Ecology is strongly recommended.

**BIO 6601. Laboratory for Environmental Systems Analysis** Laboratory three hours per week. To be taken concurrently with ~~ENVR 6103 and~~ BIO 6603. Special course fees may apply.

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The bulletin can be accessed at https://www.astate.edu/a/registrar/students/bulletins

**BIO 6603. Environmental Systems Analysis** Environmental problem-solving utilizing systems modeling and applied statistical analysis. Use of the microcomputer as an analytical tool will be emphasized. Prerequisites: one semester of calculus, one semester of statistics, BIO 4633,5633, or permission of professor. Lecture three hours per week.

**BIO 6621. Laboratory for Case Studies in Ecosystem Management** Field and laboratory experiences in evaluation of ecological, economic and sociological aspects of management of water, soil, and air resources. Course will emphasize data collection, analysis and reporting. Prerequisites: BIO 3023 or 4373,5633 and 6603 or permission of professor. Laboratory three hours per week. Special course fees may apply.