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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 | 9/11/2018 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Tanja McKay | 9/11/2018 |

**Department Chair:**  |

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**Head of Unit (If applicable)**   |
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| David Gilmore | 9/11/2018 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| Anne Grippo | 9/12/2018 |

**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)

Tanja McKay, tmckay@astate.edu, 870-972-3240

**2.Proposed Change**

1. Both MS and PhD MBS students currently need to take MBS 7151, Responsible Conduct in Research. This course was last offered in Fall 2017. The Department of Biological Sciences now offers BIO 4063/5063 Biosafety and Ethics in Research every fall which the MBS Program Committee feels would be an equivalent course. We would like students in the MBS Program to have the choice of taking MBS 7151 or BIO 5063. We do understand that this is an additional 2 hours of credit

2. Other changes in the bulletin:

 a) Page 271. In the table showing course work. ESCI 7157 Responsible Conduct is listed. This is incorrect. Students in the MBS program do not take EVS courses. MBS 7151 is the equivalent class and should be listed.

 b) Page 271. In the table showing course work. ESCI 889V, Dissertation. This is incorrect. Students in the MBS program do not take EVS courses. MBS 889V, Dissertation, is the equivalent class and should be listed.

 c) It is listed in the Bulletin for Master of Sciences (MS) students need to take 3 credit hours of MBS 6251, Techniques in Molecular Biosciences. This is incorrect. This should be only 2 credit hours as listed in the Handbook. Half the credit hours of what the PhD students need to take (PhD students take 4 credit hours of MBS 6251 (erroneously listed as MBS 625V in table) as shown on page 271).

d) Change the listing of MBS 625V Techniques in Molecular Biosciences in the table for PhD curriculum to MBS 6251 which is the correct course number.

**3.Effective Date**

Fall 2018

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

1. In Spring 2018, the Molecular Biosciences (MBS) Program Committee met to discuss MBS 7151 which is also taught at the same time as ESCI 7151. Since these two courses are usually taught by the Directors of the EVS and MBS Programs at the same time and currently we have an interim director of Molecular Biosciences, it is difficult to determine when ESCI 7151 or MBS 7151 will be offered again.

2. Other changes in the bulletin:

 See justification above.

**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.* |

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**Molecular Biosciences**

**Doctor of Philosophy**

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| **University Requirements:** |  |
| See Graduate Degree Policies for additional information (p. 35) |  |
| **Program Requirements:** | **Sem. Hrs.** |
| **Ethics and Responsible Conduct in Research (select one of the following)**~~ESCI 7151~~, MBS 7151 Responsible Conduct in Research**BIO 5063, Biosafety and Ethics in Research** | ~~1~~ 1-3 |
| MBS 6213, Advanced Cell Biology | 3 |
| MBS 6233, Specialized Biochemistry | 3 |
| MBS 6243, Molecular Genetics and Genomics | 3 |
| ~~MBS 625V~~ MBS 6251, Techniques in Molecular Biosciences (four semesters) | 4 |
| MBS 7111, Seminar in Molecular Biosciences*Must be taken every semester.* | - |
| **Sub-total** | **-** |
| **Doctoral Academic Studies:** | **Sem. Hrs.** |
| Coursework requirements will be determined by the Doctoral Advisory Committee to meet the student’s specific program needs. | - |
| **Dissertation:** | **Sem. Hrs.** |
| ~~ESCI~~ MBS 889V, Dissertation | **18** |
| **Total Required Hours:** | **45-72** |

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**Molecular Bioscience**

**Master of Science**

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| **University Requirements:** |  |
| See Graduate Degree Policies for additional information (p. 35) |  |
| **Program Requirements:** | **Sem. Hrs.** |
| MBS 6213, Advanced Cell Biology | 3 |
| MBS 6233, Specialized Biochemistry | 3 |
| MBS 6243, Molecular Genetics and Genomics | 3 |
| MBS 6251, Techniques in Molecular Biosciences (two semesters) | ~~3~~ 2 |
| MBS 7111, Seminar in Molecular Biosciences (two semesters) | 2 |
| **Ethics and Responsible Conduct in Research (select one of the following)**~~ESCI 7151~~, MBS 7151 Responsible Conduct in Research**BIO 5063, Biosafety and Ethics in Research** | ~~1~~ 1-3 |
| MBS 689V, Thesis | 1-6 |
| Additional approved Molecular Biosciences courses | **-** |
| **Sub-total** | **30-36** |
| **Total Required Hours:** | **30-36** |