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**Bulletin / Banner Change Transmittal 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.

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

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| Rajesh Sharma | 1/28/2020 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Rajesh Sharma | 1/28/2020 |

**Department Chair:**  |

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**Head of Unit (If applicable)**   |
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| Jason Stewart | 2/27/2020 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| Dr. Abhijit Bhattacharyya | 2/28/2020 |

**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)

Rajesh Sharma, rsharma@astate.edu, 2270

**2.Proposed Change**

Removing MATH 1023 and adding RET 3113 Fundamentals and Applications of Renewable Energy as a comprehensive pre-requisite for RET 4123 and RET 4313.

**3.Effective Date**

Fall 2020

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

MATH 1023 is a pre-requisite for RET 3113. As RET 3113 is a pre-requisite for these course, it is redundant to list this as a pre-requisite. The curriculum of RET 3113 provides adequate preparation for successfully completing RET 4123 and RET 4313.

**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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RET 4123. Energy Conservation and Efficiency A study of energy and power measurement techniques to analyze energy use, and methods to conserve energy in residential and industrial sectors. Prerequisites, ~~MATH 1023,~~ PHYS 2054 and CS 1013 ~~and~~ ;or RET 3113; or instructor permission. Fall.

RET 4313. Wind Energy Technology. A study of wind energy fundamentals and processes for converting wind power with emphasis on turbines and the wind power systems. Prerequisites, PHYS 2054~~, MATH 1023, and~~ or RET 3113~~;~~ or instructor permission. Spring.