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| S:\Communications\Logos and photos\SDBORLogos\final_sdbor_webreadyBW_trans.gif | **SOUTH DAKOTA BOARD OF REGENTS**  ACADEMIC AFFAIRS FORMS |
| Authority to Offer an Existing Course |
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| **DSU** |  | **College of Arts and Sciences** |
| **Institution** |  | **Division/Department** |

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| C:\Users\slaughts\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Dr. McKay Signature.jpg |  | 2/27/2018 |
| **Institutional Approval Signature** |  | **Date** |

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1. **Is this a request to offer an existing common course or an existing unique course (approval will change course status from unique to common)?**

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| Common Course |  |
| Unique Course |  |

1. **Provide the complete description as it appears in the system database including pre-requisites and co-requisites.**

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| **Prefix & No.** | **Course Title** | **Credits** |
| MATH 575 | Operations Research | 3 |

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| **Course Description** |  |
| Philosophy and techniques of operations research, including game theory; linear programming, simplex method, and duality; transportation and assignment problems; introduction to dynamic programming; and queuing theory. Applications to business and industrial problems. Prerequisite: introductory statistics and one year of calculus, or permission of the instructor. | |

**Pre-requisites or Co-requisites (add lines as needed, make sure to copy boxes in Pre-req and Co-req cells)**

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| **Prefix & No.** | **Course Title** | **Pre-req** | **Co-req** |
|  | None | Choose an item. | Choose an item. |

1. **Universities currently offering this course (*place an “X” in the appropriate boxes*):**

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|  | BHSU |  | DSU |  | NSU |  | SDSMT |  | SDSU |  | USD |

1. **Does Offering the Course Create FTE Implications? Yes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **If no**, Replacement of | | |  | | | (deletion form attached) | | |
|  | | | (prefix, number, name of course, credits) | | |  |  |
|  | | Effective Date of Deletion: | | Click here to enter a date. | | | |
|  |  | | | |  | | |

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| **5. Does Offering the Course Create Schedule Management Implications?** | No |
| Explain: When we offer the MATH 475 course we would at the same time offer MATH 575 as a cross listed class. | |

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| **6. Existing program(s) in which course will be offered:** | | graduate certificate in mathematics |
|  |  | |
| **7. CIP Code for the course:** | 27.0101 | |

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| **8. Proposed instructional method by this university:** | Lecture (R) |

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| **9. Proposed delivery method by this university:** | Face to Face and Online (010 and 018) |

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| **10. University Dept. Code:** | DMATH |

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| **11. Authority to offer effective beginning in what term?** | Fall 2019 |

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| **12. Section Restriction:** | None |