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|  | **SOUTH DAKOTA BOARD OF REGENTS**  ACADEMIC AFFAIRS FORMS |
| New Course Request |
|  |  |

Use this form to request a new common or unique course. Consult the system course database through for information about existing courses before submitting this form.

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| --- | --- | --- | --- | --- |
| DSU |  | **Beacom College of Computer and Cyber Sciences** | | |
| **Institution** |  | **Division/Department** | | |
| A picture containing text  Description automatically generated | | |  | 10/16/2023 |
| **Institutional Approval Signature** | | |  | **Date** |

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**Section 1. Course Title and Description**

If the course contains a lecture and laboratory component, identify both the lecture and laboratory numbers (xxx and xxxL) and credit hours associated with each. Provide the complete description as you wish it to appear in the system course database, including pre-requisites, co-requisites, and registration restrictions.

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| **Prefix & No.** | **Course Title** | **Credits** |
| CSC 727 | Professional Application and Ethics of A.I | 3 |

*NOTE: The Enrollment Services Center assigns the short, abbreviated course title that appears on transcripts. The short title is limited to 30 characters (including spaces); meaningful but concise titles are encouraged due to space limitations in the student information system.*

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| **Course Description** |  |
| This course will study the practical solutions of A.I. in professional settings with an emphasis on ethical considerations, societal impact, and responsible development. Students will explore case studies, develop strategies for integrating A.I. that align with industry standards and societal values, and engage in ethical decisions. Topics include ethical frameworks in A.I., legal and regulatory considerations, fairness, bias, accountability, transparency, and human centered A.I. design. | |

*NOTE: Course descriptions are short, concise summaries that typically do not exceed 75 words. DO: Address the content of the course and write descriptions using active verbs (e.g., explore, learn, develop, etc.). DO NOT: Repeat the title of the course, layout the syllabus, use pronouns such as “we” and “you,” or rely on specialized jargon, vague phrases, or clichés.*

**Pre-requisites or Co-requisites (add lines as needed)**

|  |  |  |
| --- | --- | --- |
| **Prefix & No.** | **Course Title** | **Pre-Req/Co-Req?** |
|  |  |  |
|  |  |  |

**Registration Restrictions**

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| None |

**Section 2. Review of Course**

1. **Will this be a unique or common course (*place an “X” in the appropriate box*)?**

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|  | **Unique Course**  *If the request is for a unique course, institutions must review the common course catalog in the system course database to determine if a comparable common course already exists. List the two closest course matches in the common course catalog and provide a brief narrative explaining why the proposed course differs from those listed. If a search of the common course catalog determines an existing common course exists, complete the Authority to Offer an Existing Course Form. Courses requested without an attempt to find comparable courses will not be reviewed.* |

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| --- | --- | --- |
| **Prefix & No.** | **Course Title** | **Credits** |
| CSC 572 | Artificial Intelligence/Ethics (USD) | 3 |
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| *Provide explanation of differences between proposed course and existing system catalog courses below:* | | |
| This proposed course explores the key ethical issues found in technically challenging A.I. problems, algorithms, and models. It is part of the newly proposed MSAI degree as a core requirement and is offered at the 700 level for students who will step into upper-level application A.I. positions or pursue research focused higher education.  It is reasonable to expect CSC 572 to accept students from various disciplines with a general interest in understanding the ethical implications of A.I. Conversely, CSC 727 class will target students that have or are pursuing technical degrees in Artificial Intelligence and Computer Science and will require knowledge extending beyond what students might pursue in a 500 entry level course.  Topics that you would find in CSC 727 that you likely would not in 572 include Explainability and Interpretability of A.I. Algorithms and Models, Embedded Biases in Data and Models, or the analysis of advanced algorithms where technical knowledge is necessary. | | |

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|  | **Common Course** | | | | *Indicate universities that are proposing this common course:* | | | | | | | | |
|  |  | | | |  | | | | | | | | |
|  |  | BHSU |  | DSU | |  | NSU |  | SDSMT |  | SDSU |  | USD |

**Section 3. Other Course Information**

1. **Are there instructional staffing impacts?**

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| --- | --- | --- | --- | --- |
|  | **No**. Replacement of |  | | |
|  |  | (course prefix, course number, name of course, credits) | | |
|  |  | \*Attach course deletion form | | |
|  |  |  | | |
| Effective date of deletion: | | | Click here to enter a date. |  |

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|  | **No**. Schedule Management, explain below: |

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| --- | --- |
|  | **Yes**. Specify below: |

1. **Existing program(s) in which course will be offered (i.e., any current or pending majors, minors, certificates, etc.)**:

MS in Artificial Intelligence.

1. **Proposed instructional method by university *(as defined by*** [*AAC Guideline 5.4*](https://www.sdbor.edu/administrative-offices/academics/academic-affairs-guidelines/Documents/5_Guidelines/5_4_Guideline.pdf)***)*:**

*If requesting an instructional method that is exempt from the* [Section Size Guidelines](https://www.sdbor.edu/administrative-offices/academics/academic-affairs-guidelines/Documents/5_Guidelines/5_7_Guideline.pdf)*, please provide a brief description of how the course is appropriate for the instructional method, as defined in AAC Guidelines.*

Lecture

1. **Proposed delivery method by university *(as defined by*** [*AAC Guideline 5.5*](https://www.sdbor.edu/administrative-offices/academics/academic-affairs-guidelines/Documents/5_Guidelines/5_5_Guideline.pdf)***)*:**

01 Face to face & 015 asynchronous online

1. **Term change will be effective**:

Fall 2024

1. **Can students repeat the course for additional credit?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Yes, total credit limit: |  |  |  | No |

1. **Will grade for this course be limited to S/U (pass/fail)?**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes |  | No |

1. **Will section enrollment be capped?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Yes, max per section: | 25 |  |  | No |

1. **Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course system database?**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes |  | No |
| *If yes, indicate the course(s) to which the course will equate (add lines as needed):* | | | |
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| **Prefix & No.** | **Course Title** |
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1. **Is this prefix approved for your university?**

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| --- | --- | --- | --- |
|  | Yes |  | No |
| *If no, provide a brief justification below:* | | | |
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**Section 4. Department and Course Codes (Completed by University Academic Affairs)**

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| 1. **University Department:** | D8N – DCSC Computer Science |

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| 1. **Banner Department Code:** | DCSI |

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| 1. **Proposed** [**CIP Code**](http://nces.ed.gov/ipeds/cipcode/default.aspx?y=55)**:** | 11.0401 |
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