|  |  |
| --- | --- |
|  |  |
| S:\Communications\Logos and photos\SDBORLogos\final_sdbor_webreadyBW_trans.gif | **SOUTH DAKOTA BOARD OF REGENTS**ACADEMIC AFFAIRS FORMS |
| Existing Courses: Minor Modifications |
|  |  |

Use this form to request minor modifications of existing unique and common courses. Consult the system course database for information about existing courses before submitting this form. If the course revision is for an approved General Education course, please see the Revision to General Education Requirements Form.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| DSU |  | Beacom College |  | Yong Wang |  | 3/4/2022 |
| **Institution** |  | **Division/Department** |  | **Originator** |  | **Date** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  | Click here to enter a date. |
| **Department Chair** |  | **School/College Dean** |  | **Institutional Approval Signature** |  | **Date** |

|  |
| --- |
|  |

**Section 1. Existing Course Title and Description**

|  |  |  |
| --- | --- | --- |
| **Prefix & No.** | **Course Title** | **Credits** |
| CSC 807 | Cyber Security Research | 3 |

|  |  |
| --- | --- |
| **Effective Date:** | 8/22/2022 |

|  |
| --- |
| **This course is a (*Place an “X” in the appropriate box*):** |
|[x]  **Unique Course (see section 2)** |  |[ ]  **Common Course (see section 3)** |

**Section 2. Unique Courses: Requested Minor Modifications**

***Place an “X” in the appropriate boxes*.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Current** |  | **New** |
|[ ]  **Prefix change**  |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Course Number change**  |  | to |  |

*NOTE: You may only change a unique course number to a number not currently used in “active” status at another university. Consult the system database.*

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Credit hours**  |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[x]  **Course pre-requisites**  | none | to | CSC 804 |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Course co-requisites**  |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Registration restriction**  |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Enrollment limitation**  |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Repeatable for additional credit** |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **Grading option**  |  | to |  |

|  |  |
| --- | --- |
|[x]  **Course title change** | Computer and Cyber Science Research Design and Implementation |

*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.*

|  |  |
| --- | --- |
|[ ]  **Cross-listing and equating with** |  |

|  |
| --- |
|[ ]  **Dual-listing at 400/500 level** |

|  |
| --- |
|[x]  **Course description (that does not change course content). Complete table below:** |

|  |
| --- |
| *Existing description:* |
| This course focuses on research issues pertaining to Cyber Security research. During this seminar course, students will examine and evaluate the research literature from a wide variety of sources, both academic and applied. Students will also identify various research frontiers associated with cyber security. |

|  |
| --- |
| *New description:* |
| This course presents quantitative research methods commonly used in computer and cyber sciences research. Topics include (but not limited to) computational modeling and simulation, theory, experiment research, metrics and benchmark, statistical methods and data review, data visualization. The course includes a project component which help students in the computer and cyber science fields go through each steps of the quantitative research process and apply the corresponding research methods on a selected research topic. |
| 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. |

|  |
| --- |
|[ ]  **Add course in x9x series** |
| *CIP Code:* |  |

|  |  |  |  |
| --- | --- | --- | --- |
| *New CIP Code for this university?* |  |[ ]  Yes |[ ]  No |

|  |
| --- |
| *Will this university’s sections of the course be limited to S/U (pass/fail)?* |

|  |  |  |
| --- | --- | --- |
|  |[ ]  Yes |[ ]  No |

|  |  |
| --- | --- |
|[ ]  **Delete Course (effective date):** | Click here to enter a date. |

|  |
| --- |
| **Justification for changes indicated in Section 2:** |
| The Beacom College currently offers three doctoral programs including Ph.D. in Cyber Operations (2014), Ph.D. in Cyber Defense (2019), and Ph.D. in Computer Science (2021). The research courses are restructured so that 1) the research courses could be shared and used more efficiently among the three doctoral programs in the college; 2) each course includes specific learning objectives to prepare students on literature review, research process, research methods, research design, and research implementation. |

**Section 3. Common Courses: Requested Minor Modifications**

***Place an “X” in the appropriate boxes*.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Current** |  | **New** |
|[ ]  **Credit hours (within variable limits)**  |  | to |  |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **University specific co-requisites**  |  | to |  |

|  |  |
| --- | --- |
|[ ]  **Cross-listing and equating with** |  |

|  |
| --- |
|[ ]  **Dual-listing at 400/500 level** |

|  |
| --- |
|[ ]  **Add course in x9x series** |
| *CIP Code:* |  |

|  |  |  |
| --- | --- | --- |
| *New CIP Code for this university?* |[ ]  Yes |[ ]  No |

|  |
| --- |
| *Will this university’s sections of the course be limited to S/U (pass/fail)?* |

|  |  |  |
| --- | --- | --- |
|  |[ ]  Yes |[ ]  No |

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  **x9x grading method**  |  | to |  |

|  |
| --- |
| **Justification for changes indicated in Section 3:** |
|  |

**Section 4. Department and Course Codes (Completed by University Academic Affairs)**

|  |  |
| --- | --- |
| 1. **University department code:**
 |  |

|  |  |
| --- | --- |
| 1. **Banner department code:**
 |  |

|  |  |
| --- | --- |
| 1. **Change university department code to:**
 |  |