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| S:\Communications\Logos and photos\SDBORLogos\final_sdbor_webreadyBW_trans.gif | **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 database through Colleague or the [Course Inventory Report](http://apps.sdbor.edu/ris-reporting/CourseInventoryOptions.cfm) for information about existing courses before submitting this form.

|  |  |  |
| --- | --- | --- |
| DSU |  | **The Beacom College of Computer and Cyber Sciences** |
| **Institution** |  | **Division/Department** |
|  |  | 4/21/2020 |
| **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 database in Colleague and the [Course Inventory Report](http://apps.sdbor.edu/ris-reporting/CourseInventoryOptions.cfm) including pre-requisites, co-requisites, and registration restrictions.

|  |  |  |
| --- | --- | --- |
| **Prefix & No.** | **Course Title** | **Credits** |
| CSC 439 | Threat Hunting and Incident Response | 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 Colleague.*

|  |  |
| --- | --- |
| **Course Description** |  |
| This course studies the phases of responding to a cyber security incident which includes detecting how the breach happened, identifying compromised systems, containing incidents, and hunting down additional breaches. The course will expose students to state-of-the-art incident response tools and techniques in areas including log-based analysis, network analysis, network forensics, and memory forensics. Students will develop an effective incident response plan with special focus on the technical components of identifying, containing, and eradicating threats during an active incident.  |

*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?** |
| CSC 328 | Operating Environments | Prereq |
| CSC 385 | Networking II | Prereq |

**Registration Restrictions**

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| --- |
| None |

**Section 2. Review of Course**

1. **Was the course first offered as an experimental course (*place an “X” in the appropriate box*)?**

|  |  |
| --- | --- |
|[ ]  Yes *(if yes, provide the course information below)* |[x]  No |

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

*If the request is for a unique course, verify that you have reviewed the common course catalog via Colleague and the system* [*Course Inventory Report*](http://apps.sdbor.edu/ris-reporting/CourseInventoryOptions.cfm) *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.*

|  |
| --- |
|[x]  **Unique Course** |

|  |  |  |
| --- | --- | --- |
| **Prefix & No.** | **Course Title** | **Credits** |
| CSC 438 | Defensive Networking Security | 3 |
|  |  |  |
| *Provide explanation of differences between proposed course and existing system catalog courses below:* |
| The need for effective incident response practitioners continues to rise as cybersecurity threats evolve. Having an effective plan in place to respond to active security incidents is paramount to keeping information secure and reducing lost costs during a breach. The need for this skillset is great, and this new course would train students at the undergraduate level in current incident response best practices as well as how to proactively hunt for cyber threats. There is no other course like this in the university system. One small module in an existing course, CSC-438 Defensive Network Security, briefly covers incident response and threat hunting at a high level. But this module does not deeply dive into either topic at the level provided by the proposed course. Topics such as network security monitoring and a high-level incident response plan overview are discussed only briefly in CSC 438. The focus of CSC 438 is network firewalls, intrusion detection, and network architecture security technologies. |

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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?**

|  |  |
| --- | --- |
|[ ]  **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. |  |
|[x]  **No**. Schedule Management, explain below: The course will take the place of elective and topics courses currently in the rotation.  |
|[ ]  **Yes**. Specify below:  |

1. **Existing program(s) in which course will be offered**: BS in Network & Security Administration; BS in Cyber Operations
2. **Proposed instructional method by university**: Lecture
3. **Proposed delivery method by university**: 001, 015, 018
4. **Term change will be effective**: Fall 2020
5. **Can students repeat the course for additional credit?**

|  |  |  |  |
| --- | --- | --- | --- |
|[ ]  Yes, total credit limit: |  |  |[x]  No |

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

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

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

|  |  |  |  |
| --- | --- | --- | --- |
|[x]  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 in Colleague and the** [**Course Inventory Report**](http://apps.sdbor.edu/ris-reporting/CourseInventoryOptions.cfm)**?**

|  |  |
| --- | --- |
|[ ]  Yes |[x]  No |
| *If yes, indicate the course(s) to which the course will equate (add lines as needed):* |
|  |

|  |  |
| --- | --- |
| **Prefix & No.** | **Course Title** |
|  |  |

1. **Is this prefix approved for your university?**

|  |  |
| --- | --- |
|[x]  Yes |[ ]  No |
| *If no, provide a brief justification below:* |
|  |

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

|  |  |
| --- | --- |
| 1. **University Department Code:**
 | DCSC |

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| 1. **Proposed** [**CIP Code**](http://nces.ed.gov/ipeds/cipcode/default.aspx?y=55)**:**
 | 11.0401 |
|  |  |
| *Is this a new CIP code for the university?* |[ ]  Yes |[x]  No |