



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

|   |   |
|---|---|
| <b>USD</b>                              | <b>Arts &amp; Sciences/Computer Science</b> |
| <b>Institution</b>                      | <b>Division/Department</b>                  |
| <i>Elizabeth M. Freeburg</i>            | 12/2/19                                     |
| <b>Institutional Approval Signature</b> | <b>Date</b>                                 |

**Section 1. Course Title and Description**

| Prefix & No. | Course Title                           | Credits |
|--------------|--|---------|
| CSC 472/572  | Server Administration & Virtualization | 3       |

| Course Description   |
|--|
| This course prepares students to perform server administration using both Unix/Linux and Windows platforms. The topics include server installation, configuration and management, file system and share access, network and security, web servers and virtualization, and server deployment. This course requires students to create, deploy, manage and troubleshoot their own servers. |

**Pre-requisites or Co-requisites**

| Prefix & No. | Course Title      | Pre-Req/Co-Req? |
|--------------|-------------------|-----------------|
| CSC-456      | Operating Systems | Pre-Req         |

**Registration Restrictions**

|   |
|---|
| Graduate Registration Restriction-CSC major |
|---|

**Section 2. Review of Course**

- 2.1. Was the course first offered as an experimental course (place an "X" in the appropriate box)?**  
 Yes (if yes, provide the course information below)       No

We have offered this course as CSC 492 during Spring semesters 2016 and 2018.

- 2.2. Will this be a unique or common course?**

*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](#) 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.*

- Unique Course**

| Prefix & No. | Course Title              | Credits |
|--------------|---------------------------|---------|
| CSC-431      | Unix/Linux Administration | 3       |

*Provide explanation of differences between proposed course and existing system catalog courses below:*

**CSC-472/572** hands-on laboratory only course prepares students to manage servers by performing server administration tasks thoroughly using the only two available server platforms side-by-side. Students will learn necessary tasks to manage not only their own admin accounts but also user accounts. User account management includes allocation of memory and access permissions for each user. In addition, students would also learn to manage virtualized and web-servers. Virtualization and web-server management are integral components in cloud computing these days. CSC-431 and other courses offered do not teach virtualization and multi-platform administration.

### **Section 3. Other Course Information**

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

This course will be taught with current faculty.

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

CSC-472/572 will be part of the regular faculty teaching load during the course rotation.

No new hiring will be necessary.

**3.2. Existing program(s) in which course will be offered:** B.A./B.S./M.S. in Computer Science.

**3.3. Proposed instructional method by university:** D Discussion/Recitation

**3.4. Proposed delivery method by university:** U01: Face-to-face Term Based Instruction; U15 Internet Asynchronous; U18 Internet Synchronous

**3.5. Term change will be effective (enter catalog year):** Fall 2020

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

Yes, total credit limit: \_\_\_\_\_  No

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

Yes  No

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

Yes, max per section: 30  No

**3.9. 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](#)?**

Yes  No

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

Yes  No

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

**4.1. University Department Code:** UCSC

**4.2. Proposed [CIP Code](#):** 11.0201

*Is this a new CIP code for the university?*  Yes  No