

Curriculum Committee – Approved: September 2023 CSCI 2234 – Server Administration Page 1 of 4

1. **COURSE TITLE*:** Server Administration

2. CATALOG – PREFIX/COURSE NUMBER/COURSE SECTION*: CSCI 2234

- **3. PREREQUISITE(S)*:** CSCI 1150 **COREQUISITE(S)*:**
- 4. COURSE TIME/LOCATION/MODALITY: (*Course Syllabus Individual Instructor Specific*)
- 5. CREDIT HOURS*: 3 LECTURE HOURS*: 2 LABORATORY HOURS*: 1 (2 contact hours) OBSERVATION HOURS*: 0
- 6. FACULTY CONTACT INFORMATION: <u>(Course Syllabus Individual Instructor</u> <u>Specific)</u>

7. COURSE DESCRIPTION*:

This course is designed to teach basic server administration concepts on a LAN network server. It is a continuation of the concepts introduced in CSCI 1150. It familiarizes the student with server administration

8. LEARNING OUTCOMES*:

- 1. List the various tasks of a Windows Server 2019 Network administrator
- 2. Explain Windows Server 2019 Active Directory concepts
- 3. Create and modify Active Directory objects
- 4. Administer Active Directory object permissions
- 5. Create and manage Group Policy objects
- 6. Deploy and manage software using Group Policy
- 7. Create and manage shared folders and permissions
- 8. Create and modify shared printer resources
- 9. Understand basic concepts of TCP/IP
- 10. Configure TCP/IP on Windows Server 2019

9. **ADOPTED TEXT(S)*:**

Hands-On Microsoft Windows Server 2019 2nd edition, 2021 By: Michael Palmer Cengage Learning ISBN for Follett Inclusive Access: 978-0-357-43621-9 ISBN for students who do not want Inclusive Access: 9780357710081

9a: SUPPLEMENTAL TEXTS APPROVED BY FULL TIME DEPARTMENTAL FACULTY (INSTRUCTOR MUST NOTIFY THE BOOKSTORE BEFORE THE TEXTBOOK ORDERING DEADLINE DATE PRIOR TO ADOPTION) ***.

10. OTHER REQUIRED MATERIALS: (SEE APPENDIX C FOR TECHNOLOGY REQUEST FORM.)**

11. GRADING SCALE***:

Grading will follow the policy in the catalog. The scale is as follows:

12. GRADING PROCEDURES OR ASSESSMENTS: (<u>Course Syllabus – Individual</u> <u>Instructor Specific)</u>

Category	EXAMPLE ONLY Total Points	% of Grade
Chapter Assignments (10x30)	300	30%
Quizzes (10x20)	200	20%
Unit Exams (3x100)	300	30%
Assignments (5x10)	50	5%
Annual Report Project (100)	100	10%
Attendance	50	5%
Total	1000	100%

13. COURSE METHODOLOGY: (Course Syllabus – Individual Instructor Specific)

May include but not limited to: lecture, independent and group hand-on computer lab projects, in-class and at-home assignments, tests and quizzes

14. COURSE OUTLINE: <u>(Course Syllabus – Individual Instructor Specific)</u> (Insert sample course outline with learning objectives tied to assignments / topics.)

Week 1 - Introduction to Windows Server 2019 - Learning Objective 1

Week 2 - Installing Windows Server 2019 – Learning Objective 2, 10

Week 3 - Configuring Windows Server 2019 Environment – Learning Objective 1, 2

Week 4 & 5 - Introduction to Active Directory – Learning Objective 3

Week 6 & 7 - Configuring, and Troubleshooting Resources - Learning Objective 4

Week 8 - Configuring Windows Server 2019 Printing – Learning Objective 8

Week 9 - Configuring and Managing Data Storage – Learning Objective 7

Week 10 - Managing Windows Server Network Services – Learning Objective 7

Week 11 - Configuring Remote Access Services - Learning Objective 9

Week 12 & 13 - Securing Windows Server 2019 - Learning Objective 4, 7

Week 14 - Server and Network Monitoring – Learning Objective 5

Week 15 - Managing System Reliability and Availability – Learning Objective 6

Week 16 - Finals

** Instructor reserves the right to organize work to meet the objectives of the course

15. SPECIFIC MANAGEMENT REQUIREMENTS*:**

At the discretion of the instructor

16. FERPA:*

Students need to understand that your work may be seen by others. Others may see your work when being distributed, during group project work, or if it is chosen for

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demonstration purposes. Students also need to know that there is a strong possibility that your work may be submitted to other entities for the purpose of plagiarism checks.

17. ACCOMMODATIONS: *

Students requesting accommodations may contact Ryan Hall, Accessibility Coordinator at rhall21@sscc.edu or 937-393-3431, X 2604.

Students seeking a religious accommodation for absences permitted under Ohio's Testing Your Faith Act must provide the instructor and the Academic Affairs office with written notice of the specific dates for which the student requires an accommodation and must do so no later than fourteen (14) days after the first day of instruction or fourteen (14) days before the dates of absence, whichever comes first. For more information about Religious Accommodations, contact Ryan Hall, Accessibility Coordinator at <u>rhall21@sscc.edu</u> or 937-393-3431 X 2604.

18. OTHER INFORMATION***:

SYLLABUS TEMPLATE KEY

* Item <u>cannot</u> be altered from that which is included in the master syllabus approved by the Curriculum Committee.

** Any alteration or addition <u>must be approved by the Curriculum Committee</u>

*** Item <u>should begin with language as approved in the master syllabus</u> but may be added to at the discretion of the faculty member.