

## COURSE SYLLABUS

**COURSE NAME:** CIS 169 Network and OS Fundamentals  
**CREDIT(S):** 3 semester hours (2 lecture, 2 lab)  
**INSTRUCTOR:** Roger Morris  
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**E-mail:** roger.morris@southeasttech.edu  
**SCHOOL:** Southeast Technical Institute  
**ADDRESS:** 2320 N. Career Ave, Sioux Falls, SD 57107

**COURSE DESCRIPTION:** Develops networking skills through learning what a LAN (Local Area Network) is, how it is used and works. The students will develop working networks using Microsoft Server and the Linux Operating System. The usefulness and functionality of Command line structure, scripting, client/server sockets and GUI environments to assist in networking utilization will be covered during the course.

**PREREQUISITES:** None

**TEXTBOOKS:** Networking Fundamentals 2<sup>nd</sup> Edition and Lab Manual 2<sup>nd</sup> Edition by Richard M. Roberts

**COURSE OBJECTIVES:** This course will teach the key concepts of networking including the OSI model. You will also learn the operating system of Windows Server and Linux.

### METHODS OF INSTRUCTION:

- Most from reading your text book but there will be some videos)
- Demonstration of commands using terminal interfaces or true OS environments.
- Individual laboratory assignments from the textbooks and from handouts.
- Use of the lab manual for assignments.

### ASSESSMENT OF STUDENT LEARNING

#### *Exams & Quizzes (55% of grade)*

- Approximately three exams will be given during the semester.
- Exams will consist primarily of T/F, Matching, and or MC questions
- Exams may also contain performance tests.
- Any email or IM program must be turned off during a test or your test will be picked up and you will receive a zero for a grade on the test.

#### *Homework/Labs (45% of grade) –*

- All assignments will be given a due date.
- Due dates will not be changed unless prior arrangements have been made.
- Assignments will be accepted up to 4 days past the due date.
- For each day late, a 10% reduction in the grade for the assignment will be assessed.
- After 4 days late, the assignment has no value.
- Student may receive partial credit for partial solutions.
- Since assignments are turned in electronically, being absent from class is not an excuse for turning in an assignment late.

Since the mission of Southeast Technical Institute is to educate people for employment in technical

***Attendance (can effect final grade) –***

Attendance will be taken from the first assignment for the class. This assignment will inform me if you are attending the class or not.

**GRADING SCALE:**

A+ 99-100%	B+ 89%	C+ 79%	D + 69%	F = 59% and Below
A 94-98%	B 84-88%	C 74-78%	D 64-68%	
A- 90-93%	B- 80-83%	C- 70-73%	D- 60-63%	

*The instructors and the faculty members in this course will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.*

*Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or other disciplinary action.*

Student success is important to our faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have competence in the following areas:

**Science and Technology:** Technical competence including knowledge of technology and/or scientific principles as these apply to programs.

**Problem Solving & Critical Thinking:** The ability to select and use various approaches to solve a wide variety of problems -- scientific, mathematical, social and personal. Graduates will also be able to evaluate information from a variety of perspectives, analyze data and make appropriate judgments.

**Communication:** The ability to communicate effectively in several forms -- oral, written, nonverbal and interpersonal. Graduates will also demonstrate knowledge of how to manage and access information.

**Professionalism:** Strong work ethic, including responsible attendance; skill in teamwork and collaboration, as well as an ability to work with others, respecting diversity; ability to adapt to change; commitment to lifelong learning; adherence to professional standards; and positive self-esteem and integrity.