

***This is a SouthArk Master Syllabus. The course syllabus distributed by the instructor may include additional requirements, must be followed by the student in the given term, and is considered to supersede the Master Syllabus.***

**Course Number**

CSCI 1263

**Course Title**

Operating Systems Administration

**Course Description**

This course provides students with the knowledge to become industry certified as a Windows professional. This course actually meets the specifications for three different industry certification programs. It prepares the student for the following:

- Test Out's Windows Client Pro certification
- Microsoft's 70-680 TS: Windows 7, Configuring certification
- Microsoft's 70-687 TS: Windows 8.1, Configuring certification

**College Mission**

South Arkansas Community College promotes excellence in learning, teaching, and service; provides lifelong educational opportunities; and serves as a cultural, intellectual, and economic resource for the community.

**College Wide Student Learner Outcomes**

Critical Thinking                      Responsibility                      Communication

**ACTS Course**                       **Program Course**

**ACTS Outcomes**

**Program Outcomes**

		<b>Learner Outcomes for all CIS Majors*</b>
PO1	Troubleshooting	Identify and resolve technical issues using appropriate technologies or analytical tools.
PO2	Business communications	Demonstrate communications skills in a business environment.
PO3	Hardware/Software Skills	Demonstrate proficiency as defined by the CIT department, in recognized industry software or hardware.
PO4	Business Ethics	Identify situations that present ethical dilemma inherent in information technology.
		<b>Computer Support Specialist Option*</b>
TSO1	Support Track - Customer Support	Identify and create strategies to support or train end users with their IT resources.
TSO2	Support Track - Documentation	Prepare or use documentation appropriate to an Information Technology task.
TSO3	Support Track - Operating Systems	Differentiate among various operating systems.
TSO4	Support Track - Technology Evaluation	Evaluate technology needs of end users.
		*Learning outcomes are based on U.S. Department of Labor IT 2012 Competency Model and Association of Computing Machinery Committee for Computing Education in Community Colleges.

**Course Outcomes**

CLO #	Course Outcomes	Unit Outcomes/ Competencies	ACTS	Program Outcomes	Critical Thinking	Communication	Responsibility	Assessment
CLO1	Install, upgrade and configure Windows operating system	1,6, 12		PO3 TSO3				Test Out PC Pro Certification Exam
CLO2	Maintain, update, and protect the Windows operating system	5, 7, 11, 12		PO3 TSO1 TSO3				Test Out PC Pro Certification Exam
CLO3	Demonstrate management of applications, tools, mobility and remote management and assistance	2, 3, 8, 9, 12		PSO1 TSO1 TSO4	CT3			Test Out PC Pro Certification Exam
CLO4	Demonstrate management of application and devices	4, 10, 12		PO1 TSO1 TSO4				Test Out PC Pro Certification Exam

**Unit Outcomes/ Competencies**  
**Windows Client Pro Unit Objectives**

**Module 1 – Course Introduction**

This module introduces the students to the objectives and content of the course. The students will learn how to use the LabSim simulator to complete lab exercises and an overview of the Windows 7 and 8.x user interfaces are presented.

**Module 2 – Hardware Management**

In this module students will learn concepts about managing hardware devices such as device drivers, display options, storage devices and OneDrive storage.

**Module 3 – Network Configuration**

This module teaches students about the elements used to configure the communication within the network: IP addresses, wireless communications, Internet Connection Sharing (ICS), and Windows Firewall.

**Module 4 – Application Management**

This module discusses managing applications both desktop and Windows store applications. Configuring User Account Control (UAC), application compatibility, and virtualization are all discussed.

**Module 5 – System Access**

This module examines elements that are used to control access to the system resources.

**Module 6 – Windows Installation**

In this module students will learn concepts about installing and upgrading a Windows operating system.

**Module 7 – System Images**

This module discusses using system images to centrally deploy Windows to computers throughout large environments.

**Module 8 – Mobile Computing**

This module discusses basic concepts of securely connecting to a network from a remote location.

**Module 9 – System Monitoring and Maintenance**

This module discusses troubleshooting tools and utilities to monitor and manage the system.

**Module 10 – System Protection**

This module examines tools that can be used to protect a system. This involves having a current system updates, and creating system backups to provide system recovery.

**Module 11 – Security**

In this module students will learn about the tools and options to secure the system.

## Module 12 Practice Exams

In Practice Exams students will have the opportunity to test themselves and verify that they understand the concepts and are ready to take the certification exam. The practice exams are divided into three separate areas and will contain examples of the types of questions that a student will find on the actual exam:

### Assessment Description(s)

Windows Client Pro Certification Exam, included with the course materials

### Materials and Technological Requirements

TestOut Windows Client Pro English 4.1.1

ISBN:978-1-93505-45-9

Access code must be purchased from the SouthArk bookstore

Browsers supported:

#### Browser Compatibility

▶ Supported  

▶ Partially Supported   

▶ Not Supported 

Earbuds or Headphone

Access to the Internet

### Class Attendance Policy

Students are expected to attend all classes in which they are enrolled. If a student is absent from a class session, it is the student's responsibility to make arrangements to complete or make up any work missed. No make-up work for missed classes will be allowed without the approval of the instructor. Students who enroll late must assume all responsibility for work missed. Classes not attended as a result of late enrollment may be counted toward excessive absences. Students not attending the entire class period may be counted absent for that period. An instructor may drop students with a grade of "WE" if students have been absent for an excessive number of days. Warning letters will be sent to the students advising them of the consequences of nonattendance and urging them to contact their instructors immediately. Excessive absences are defined as follows:

#### Regular Semester

Courses which meet once a week .....	2 absences
Courses that meet twice per week .....	3 absences
Courses that meet four times per week .....	5 absences

#### Summer Session

Courses that meet four times per week in a five week session .....	3 absences
Courses which meet two evenings per week in a 10 week session .....	3 absences

Students enrolled in special programs or individualized instruction should contact their program director/instructor regarding specific attendance requirements for the program/course. Some of the selective-admission, health-science programs have specific criteria regarding attendance. Students are encouraged to refer to program policies in these matters.

#### Jury Duty/Military/Official School Function

Scheduled absences are those that occur due to college-related activities or as a result of summons to jury duty or military duty. Classes missed as a result of scheduled absences will not be counted as excessive absences if the instructor is notified and provided documentation prior to the absence(s). Make-up work for scheduled absences will be at the discretion of the instructor.

In all instances, documentation must be provided to the instructor within 24 hours of receipt. Documentation should come from an appropriate party on letterhead or other official stationery with a signature and contact information. Documentation should list the corresponding dates of the leave.

#### Medical leave

For medical-related absences, documentation must include written notice from the treating medical professional documenting time needed off related to medical reasons and time student may resume classes. The medical reason does not need to be listed on the documentation; the documentation must include only that there is a medical reason, the amount of time the student needs to be absent, and the time the student should be able to return to classes. Students who elect to work at home while on excused leave must meet with their instructors to make arrangements to do so. Working on coursework while on medical leave is not a requirement but can be requested by students. If students request that they be allowed to work at home while on an excused leave, the instructor will make every reasonable effort to ensure that the student is able to do so.

For students who have a medical condition necessitating time off or accommodation:

- 1) They may work at home on assignments if they choose to if on medical leave approved by a medical professional
- 2) Receive appropriate accommodations related to coursework (i.e., excused from labs with potentially harmful chemicals, have a larger desk, etc.)
- 3) Resume their studies where they left off once they return to classes
- 4) Be allowed to make up any missed work related to medical leave
- 5) Receive incompletes on their transcripts until coursework is completed, according to the incomplete grade contract.
- 6) Be given a reasonable time frame in which to complete missed coursework

### **Academic Honesty Policy**

Students enrolled at South Arkansas Community College are expected at all times to uphold standards of integrity. Students are expected to perform honestly and to work in every way possible to eliminate academic dishonesty.

Academic dishonesty includes cheating and plagiarism, which are defined as follows:

- Cheating is an attempt to deceive the instructor in his/her effort to evaluate fairly an academic exercise. Cheating includes copying another student's homework, class work, or required project (in whole or in part) and/or presenting another's work as the student's own. Cheating also includes giving, receiving, offering, and/or soliciting information on a quiz, test, or examination.
- Plagiarism is the copying of any published work such as books, magazines, audiovisual programs, electronic media, and films or copying the theme or manuscript of another student. It is plagiarism when one uses direct quotations without proper credit or when one uses the ideas of another without giving proper credit. When three or more consecutive words are borrowed, the borrowing should be recognized by the use of quotation marks and proper parenthetical and bibliographic notations.

If, upon investigation, the instructor determines that the student is guilty of cheating or plagiarism, the following penalties will apply:

- The student will receive a penalty of no less than a zero on the work in question.
- The instructor will submit a written report of the incident to the Vice President for Learning
- The Vice President for Learning will determine whether further disciplinary action will be taken.
- All decisions may be appealed for review through the college's Academic Appeals procedure.

### **Equal Opportunity-Affirmative Action Statement**

South Arkansas Community College does not discriminate on the basis of age, race, color, creed, gender, religion, marital status, veteran's status, national origin, disability, or sexual orientation in making decisions regarding employment, student admission, or other functions, operations, or activities.

### **Library Services**

Library Homepage: <http://southark.libguides.com/homepage> Library Contact: LibraryStaff@southark.edu or 870.864.7115

### **Procedures to Accommodate Students with Disabilities:**

If you need reasonable accommodations because of a disability, please report this to the Vice President of Student Services with proper documentation. . VPSS Contact: 870.875.7262

### **The Early Alert System**

In an effort to ensure student retention and success, South Arkansas Community College employs an Early Alert System to identify and support at-risk students as soon as possible in a given semester. The intent of Early Alert is to provide this assistance while there is still time to address behaviors or issues that have the potential of preventing students from completing their courses and degree plans. Students referred through the Early Alert System will be required to work on a corrective action plan with their student advising coach and to include attendance accountability and mandatory academic tutoring either in the academic division or in the Testing and Learning Center (TLC).

Once the Student Advising Coach has met with the referred student, and again when the student has met the prescribed corrective actions, the coach will update the Early Alert System so that the instructor is kept informed of the progress in resolving issues.

### **Behavioral Review Team**

At South Arkansas Community College (SouthArk), we are committed to proactive leadership in student wellbeing and campus safety. By focusing on prevention and early intervention with campus situations that involve any person experiencing distress or engaging in harmful or disruptive behaviors, the BRT will serve as the coordinating hub of

existing resources to develop intervention and support strategies and offer case management. Students, faculty, staff, and campus guests are encouraged to report any person on campus who is a concern. BRT Contact: 870.875.7262  
BRT@southark.edu

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