



**Computer Systems Integration**  
COT 415 [all sections]  
Southwestern College Professional Studies

**COURSE SYLLABUS**

**I. Course Catalog Description**

This is a comprehensive, hands-on course that covers basic computer systems service topics as well as more advanced issues pertaining to hardware and operating system configuration, installation and troubleshooting. Additionally, the course expands the learners' practical experience and knowledge in networking maintenance issues, safety and customer service techniques and management.

**II. Required and Supplementary Instructional Materials**

Meyers, M. (2013). *CompTia A+ certification all-in-one exam guide* (8th ed.). New York, NY: McGraw-Hill.

**III. Course Delivery**

There are two forms of course delivery Ground and Online:

Ground courses, or those that meet face-to-face on a weekly basis, also have an online component, which means some of the course content is delivered online. Southwestern College utilizes the Blackboard (Bb) learning management system.

Online courses typically contain a blend of synchronous (real-time) and asynchronous (not real-time) material. Depending on the course, you may be required at times to interact "live," which might mean attending a scheduled Collaborate session. You may also be required to view or listen to a lecture or other video on a specific date and time. Of course, if there are circumstances that prohibit you from logging in to a scheduled synchronous activity, an alternate assignment will be provided. Please refer to the [Course at a Glance](#) section which will note any synchronous activities.

**IV. Learning Outcomes**

Learning outcomes describe the knowledge, skills, values, and attitudes that learners gain as the result of a particular learning experience. Southwestern College Professional Studies has learning outcomes specific to each course and each [undergraduate](#) and [graduate](#) program of study, as well as [institution-wide outcomes](#) related to the mission and vision of the college. Outcomes can help learners and instructors focus on the big picture of the learning experience and can help inform potential employers about a graduate's knowledge and skills.

Upon successfully completing this course, the learner will be able to:

1. Explain computer hardware/software concepts
2. Configure and maintain computer Operating Systems (OSs), primary storage components and secondary storage devices
3. Troubleshoot AC and DC and power distribution components, power supplies, hardware and peripherals, operating systems, and OS configuration issues
4. Install and configure upgrades to software and hardware components, printers, input and output devices, and multimedia peripherals

At the end of the course, learners may vary in their ability to achieve these outcomes. You are more likely to achieve these outcomes only if you attend class and/or online activities as required by the syllabus, complete the requirements for all assignments to the best of your ability, participate actively in class activities and group work as directed, and study diligently for exams.

**V. Expectations**

Learners can expect the instructor to:

- Respond to e-mail and phone contact attempts promptly (if you do not receive a response after 48 hours please follow-up as a technology glitch may have occurred)
- Substantially participate in weekly discussions/lecture
- Employ impartial and consistent grading practices
- Provide assignment grades and feedback in one week or less

Instructors can expect the learner to:

- Review the syllabus in its entirety requesting clarification prior to beginning week 1 coursework
- Obtain access to the required course materials prior to the class start date or notify the instructor of any delay no later than Tuesday of week 1 of the course
- Submit course assignment questions with enough notice to receive and incorporate feedback prior to the assignment due date (see [course late policy](#))
- Possess basic skills in Microsoft Office, and have the ability to access Blackboard
- Include the [course ID](#) (Ex: CORE101) on all e-mail correspondence
- Check Blackboard course announcements often during the course
- Communicate with instructors and classmates in a professional and respectful manner
- Substantially participate in weekly discussion/lecture (it is strongly suggested that Bb posts be prepared in a word processing software application then checked for grammar errors prior to submission)
- Submit assignments via the appropriate avenue (e.g. discussion board, Bb assignment link, etc.)
- Adhere to the Southwestern College [Student Code of Conduct](#) and [Standards of Academic Integrity](#)
- Create and submit original work

#### VI. Grading Scale and Criteria

<u>Grade</u>	<u>Quality Points</u>	<u>Course Scale</u>
A+	4.00	100%
A	4.00	94.0-99.9%
A-	3.67	90.0-93.9%
B+	3.33	87.0-89.9%
B	3.00	84.0-86.9%
B-	2.67	80.0-83.9%
C+	2.33	77.0-79.9%
C	2.00	74.0-76.9%
C-	1.67	70.0-73.9%
D+	1.33	67.0-69.9%
D	1.00	64.0-66.9%
D-	0.67	60.0-63.9%
F	0.00	< 60.0%

<u>Grade:</u>	<u>Criteria and Guidelines:</u>
A+	The grade of A+ is reserved for a perfect score (100%) of all work in a course.
A	Superior work: Superior performance that far exceeds the minimum expectations and demonstrates an excellent understanding of the concepts addressed in the course.
B	Above average work: Good performance that exceeds the minimum expectations and demonstrates a higher than average understanding of the concepts addressed in the course.
C	Average Work: Adequate performance that meets the minimal expectations and demonstrates a basic understanding of the concepts addressed in the course.
D	Minimally acceptable work for receiving credit: Below average performance that does not meet the minimum expectations and/or does not demonstrate a basic understanding of the concepts addressed in the course.
F	Failure: Unacceptable performance (in a professional context, this means “you’re fired.”)
WF	Withdraw/Fail: A final grade of WF will be recorded for learners who either never access/attend or submit any assignments for courses.
WD, AW, I, S, W, WM	Please refer to the <a href="#">Grading System</a> section of the appropriate catalog.

**VII. College Policies**

Students are expected to read and abide by the college policies as listed in the appropriate catalog:

- [Undergraduate Catalog](#): For learners who do not possess a bachelor’s degree, are pursuing an additional bachelor’s degree or for graduate learners who are enrolled in 100-400 level courses.
- [Graduate Catalog](#): For learners who have earned a bachelor’s degree and are pursuing a master’s degree or graduate level certificate or learners who are enrolled in 500+ level courses.

- [Non-Discrimination Policy](#)
- [Student Code of Conduct](#)
- [Academic Integrity Policy](#)
- [Policies for Dealing with Violations of Academic Integrity](#)
- [Incomplete Policy](#)
- [Withdraw Policy](#)

**VIII. Course Policies**

Students are expected to read and abide by the course policies located in the instructor-specific syllabus in the Blackboard course.

**IX. [Technology Requirements](#)**

**X. Citation**

Check the Academic Resources link in the course menu of your Blackboard course to find the specific requirements and resources for formatting manuscripts and documenting various kinds of sources when submitting written work.

**XI. SafeAssign®**

This instructor may use SafeAssign®, which is a system that allows for checking the originality of writing and proper citing. Your assignments may be run through this software.

**XII. Course Requirements:**

Requirements	Number of Assignments	Points Possible	Percent of Grade
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Requirements	Number of Assignments	Points Possible	Percent of Grade
Discussions	6	240	24%
Quizzes	5	200	20%
LabSim Assignments	6	360	36%
Capstone Projects	1	200	20%
<b>Total Points</b>		<b>1000</b>	<b>100%</b>

### XIII. Course at a Glance:

Unit	Reading & Preparation Activities	Graded Work Due
1	<p><b>Required</b></p> <ul style="list-style-type: none"> <li>Participate in the Introductions discussion</li> <li>Read Chapter 3: The Visible PC</li> </ul> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>Read Chapter 1: The Path of the PC Tech (pp. 1-17)</li> <li>Read Chapter 4: Visible Windows (pp. 75-152)</li> <li>Read Chapter 2: Operational Procedures (pp. 19-39)</li> <li>Read Chapter 32: The Complete PC Tech (pp. 1433-1451)</li> <li>Read Chapter 6: Microprocessors (pp. 195-240)</li> <li>Read Chapter 7: RAM (pp. 245-280)</li> <li>Read Chapter 8: Bios (pp. 283-311)</li> <li>Read Chapter 9: Motherboards (pp. 319-362)</li> <li>Read Chapter 10: Power Supplies (pp. 367-401)</li> <li>Chapter 25: Multimedia (pp. 1149-1187)</li> </ul>	<ol style="list-style-type: none"> <li>Unit 1 Quiz</li> <li>Unit 1 LabSim Assignment</li> <li>Unit 1 Discussion</li> </ol>
2	<p><b>Required</b></p> <ul style="list-style-type: none"> <li>Read Chapter 20: Input Devices</li> <li>Read Chapter 11: Hard Drive Technologies</li> </ul> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>Read Chapter 21: Video (pp. 921-989)</li> <li>Read Chapter 12: Implementing Hard Drives (pp. 457-516)</li> <li>Read Chapter 13: Removable Media (pp. 523-563)</li> </ul>	<ol style="list-style-type: none"> <li>Unit 2 Quiz</li> <li>Unit 2 LabSim Assignment</li> <li>Unit 2 Discussion</li> </ol>
3	<p><b>Required</b></p> <ul style="list-style-type: none"> <li>Read Chapter 5: Visible Networks</li> <li>Read Chapter 28: Printers</li> </ul> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>Read Chapter 5: Visible Networks (pp. 157-191)</li> <li>Read Chapter 22: Local Area Networking (pp. 993-1051)</li> <li>Read Chapter 23: Wireless Networking (pp. 1055-1086)</li> <li>Read Chapter 24: The Internet (pp. 1089-1144)</li> <li>Read Chapter 28: Printers (pp. 1277-1318)</li> </ul>	<ol style="list-style-type: none"> <li>Unit 3 Quiz</li> <li>Unit 3 LabSim Assignment</li> <li>Unit 3 Discussion</li> </ol>

Unit	Reading & Preparation Activities	Graded Work Due
4	<p><b>Required</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 26: Portable Computing</li> <li>• Read Chapter 18: Working with the Command-Line Interface</li> </ul> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 26: Portable Computing (pp. 1191-1240)</li> <li>• Read Chapter 27: Mobile Devices (pp. 1245-1272)</li> <li>• Read Chapter 15: Windows Under the Hood (pp. 629-667)</li> <li>• Read Chapter 16: NTFS, Users, and Groups (pp. 671-714)</li> <li>• Read Chapter 17: Maintaining and Optimizing Windows (pp. 721-768)</li> <li>• Read Chapter 18: Working with the Command-Line Interface (pp. 775-812)</li> </ul>	<ol style="list-style-type: none"> <li>1. Unit 4 Quiz</li> <li>2. Unit 4 LabSim Assignment</li> <li>3. Unit 4 Discussion Forum</li> </ol>
5	<p><b>Required</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 14: Installing and Upgrading Windows</li> <li>• Read Chapter 29: Securing Computers</li> </ul> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 30: Virtualization (pp. 1377-1396)</li> </ul>	<ol style="list-style-type: none"> <li>1. Unit 5 Quiz</li> <li>2. Unit 5 LabSim Assignment</li> <li>3. Unit 5 Discussion</li> </ol>
6	<p><b>Required</b></p> <ul style="list-style-type: none"> <li>• No readings</li> </ul> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 19: Troubleshooting Windows (pp. 817-875)</li> <li>• Read Chapter 31: The Right PC for You (pp. 1401-1429)</li> </ul>	<ol style="list-style-type: none"> <li>1. Unit 6 LabSim Assignment</li> <li>2. Unit 6 Capstone Projects</li> <li>3. Unit 6 Discussion</li> </ol>

**XIV. College Resources**

[Advising](#)

[Self-Service](#)

[Withdraw Form](#)

[Blackboard Learn](#)

[SCPS Bookstore](#)

[Deets Library](#)

[Online Writing Center](#): View this brief [video tutorial](#) that explains how to enroll in Blackboard

**IT Support:** [Marilyn.clements@sckans.edu](mailto:Marilyn.clements@sckans.edu) or 888-684-5335 x.121

**XV. ADA Compliance Statement**

Southwestern College Professional Studies is committed to making reasonable accommodations for qualified students with documented disabilities. If you have a disability that may impact your learning and for which you may need accommodations, please notify the Director of Learner Support and Academic Success, at 888.684.5335.

**XVI. Senior Capstone and Graduate Projects:**

The majority of the programs offered by Southwestern College Professional Studies conclude with a Senior Capstone or Graduate Project. During the Capstone or Project course students will be required to retrieve papers, assignments and projects that they created during their entire program of study. For this

reason it is imperative that students design a method of storing program course work for use during their final class at Southwestern College Professional Studies.