

Syllabus for
CIT 428—Information Systems
3 Credit Hours
Spring 2015

I. COURSE DESCRIPTION

An introduction to planning, coordinating, directing research and facilitating computer-related activities. Examines activities associated with installing and upgrading hardware and software, programming and systems design, development of computer networks, and implementing Internet and Intranet sites.

Includes upkeep, maintenance, and security of networks. Students analyze computer and information needs of organizations from an operational and strategic perspective.

Prerequisite: CSC 111

II. COURSE GOALS

This course provides a student with an in depth understand for operation and components in computer system. The student will gain advanced knowledge in the area of software policy and have the ability to analyze, design, and improve information systems. The student will learn how to create the operations, policies, repositories and security for computer systems.

III. STUDENT LEARNING OUTCOMES FOR THIS COURSE

A. Terminal Objectives

As a result of successfully completing the course, the student will be able to do the following:
The student will be able to describe the three objects in a computer security system.

1. Structure: understand the components in a computer and the related system to which it is attached.
2. Channels, which connect repositories, such as buses, cables, wireless links, etc. A Network is a set of logical or physical channels.
3. Behavior: be able to identify and replace components of a computer/network system

B. Unit Objectives

As a result of successfully completing each of these units, the student will be able to do the following:

1. The student will be able to do the following structure:
 - a. Design a network utilizing a Repository, which hold data permanently or temporarily, such as buffers, RAM, hard disks, cache, etc.
 - b. Interfaces, which exchange information with the non-digital world, such as
 - c. keyboards, speakers, scanners, printers, etc.
2. The student will be able to create channels both virtual and actual.
3. The student will be able to identify the following behavior characteristics:

- a. Services, which provide value to users or to other services via messages interchange.
- b. Messages, which carries a meaning to users or services.

IV. TEXTBOOK AND OTHER LEARNING RESOURCES

A. Required Materials

- a. Textbooks
None
- b. Other
LabSim access from TestOut – PC Pro
ISBN 978-1-935080-42-8

B. Optional Materials

1. Docter, Dulaney and Skandier, CompTIA A+ Complete Study Guide, 2nd ed, John Wiley & Sons, Inc, ISBN978-1-118-32405-9
2. Other
Additional reading material is required and will be assigned.

V. POLICY AND PROCEDURES

A. University Policies and Procedures

1. Attendance at each class or laboratory is mandatory at Oral Roberts University.
2. Students taking a late exam because of an unauthorized absence are charged a (\$15) late exam fee.
3. Double cuts will be assessed for absences that immediately precede or follow holidays or breaks.
4. Excessive absences can reduce a student's grade or deny credit for the course.
5. Students and faculty at Oral Roberts University adhere to all laws addressing the ethical use of other's materials, whether it is in the form of print, video, multimedia, or computer software.
6. Final examines cannot be given before their scheduled times. Students need to check the final exam schedule before planning return flights or other events at the end of the semester.

B. Department Policies and Procedures

1. Each Student who uses the computer is given access to the appropriate computer resources. These limited resources and privileges are given to allow students to perform course assignments. Abuse of these privileges will result in their curtailment. Students should note that the contents of Computer directories are subject to review by instructors and the computer Administrative staff.
2. Any student whose unexcused absences total 33% or more of the total number of class sessions will receive an F for the course grade.

C. Course Policies and Procedures

1. Evaluation Procedures

The final grade will be based (approximately) on performance in five categories.

- a. 25% on homework
- b. 15% on project.
- c. 35% on exams
- d. 5% on in class participation and mini-projects to be assigned
- e. 20% on final exam

2. Whole Person Assessment Requirements

There may be a WPA artifact associated with this course. Check your WPA handbook for the requirements.

VI. COURSE CALENDAR

<u>Unit</u>	<u>Lesson</u>	
I	1	Review of Project Management
	2	Review of System Analysis and Design components
	3	Overviews of operating systems
	4	Introduction to Hardware
	5-10	A++ related assignments
	11-21	Network Mechanics and hardware designs
	22-31	Operating System Insulation
	32-33	Conclusion

**Course Inventory for ORU's Student Learning Outcomes
CSC 428 – Information Systems
Spring 2015**

This course contributes to the ORU student learning outcomes as indicated below:

Significant Contribution – Addresses the outcome directly and includes targeted assessment.

Moderate Contribution – Addresses the outcome directly or indirectly and includes some assessment.

Minimal Contribution – Addresses the outcome indirectly and includes little or no assessment.

No Contribution – Does not address the outcome.

The Student Learning Glossary at <http://ir.oru.edu/doc/glossary.pdf> defines each outcome and each of the proficiencies/capacities.

OUTCOMES & Proficiencies/Capacities	Significant Contribution	Moderate Contribution	Minimal Contribution	No Contribution
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1	Outcome #1 – Spiritually Alive Proficiencies/Capacities				
1A	Biblical knowledge				X
1B	Sensitivity to the Holy Spirit				X
1C	Evangelistic capability				X
1D	Ethical behavior		X		

2	Outcome #2 – Intellectually Alert Proficiencies/Capacities				
2A	Critical thinking	X			
2B	Information literacy		X		
2C	Global & historical perspectives				X
2D	Aesthetic appreciation			X	
2E	Intellectual creativity		X		

3	Outcome #3 – Physically Disciplined Proficiencies/Capacities				
3A	Healthy lifestyle				X
3B	Physically disciplined lifestyle				X

4	Outcome #4 – Socially Adept Proficiencies/Capacities				
4A	Communication skills	X			
4B	Interpersonal skills		X		
4C	Appreciation of cultural & linguistic differences				X
4D	Responsible citizenship				X
4E	Leadership capacity		X		