SYSTEM ANALYSIS AND DESIGN

SYAD400 — System Analysis & Design, 3.0 hours

PROFESSOR

Nicholas Theodule

Nicholas Theodule received his Master of Science Degree in Information Systems from University of Phoenix, after acquiring his Bachelor of Science in Electronics Communication Engineering Technology Degree. Prior to this, he had acquired an Applied Associates of Science Degree in Computer Aided Drafting and Design. In addition, he had served eight years as a Military Police Officer within the US Army Reserves. With his past and current educational experiences as an educator, he has been able to assist with removing any academic barriers regarding online learning. Such barriers can stem from those that could affect accessibility, development of online engagement, online learning and constraints relating to learning resources, time management, and delivery of assignments. Along with continued discovery towards refining one's online academic engagement, his role is to collaborate with Faculty and Staff in order to assist with content comprehension.

CONTACT INFORMATION

Nicholas Theodule

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Cell Phone: 800-517-0857 X 795

ONLINE SUPPORT (IT) AND MOODLE NAVIGATION:

All members of the Lakewood University community who use the University's computing, information or communication resources must act responsibly. Support is accessible by calling 1-800-517-0857 option 2 or by emailing info@lakewood.edu

BOOKS AND RESOURCES

Rosenblatt, Harry. Tilley, Scott. Systems Analysis and Design. 12th ed. Cengage, 2020

EVALUATION METHOD

Graded work will receive a numeric score reflecting the quality of performance.
Course Requirement Summary

- **Assignments - Total of 60 Points**
- **Summary Assignments 40 Points**
- **Weekly discussion forums-Total of 80 Points**
- **Final Exam - 50 Points**

GRADING SCALE

Graded work will receive a numeric score reflecting the quality of performance as given above in evaluation methods. The maximum number of points a student may earn is 190. To determine the final grade, the student's earned points are divided by 190.

Your overall course grade will be determined according to the following scale:

A= (90% -100%)
B= (80% - 89%)
C= (70% - 79%)
D= (60% - 69%)
F= (Below 60%)

ACADEMIC INTEGRITY/ PLAGIARISM:

Cheating (dishonestly taking the knowledge of another person whether on a test or an assignment and presenting it as your work) and plagiarism (to take and pass off as one's own the ideas or writing of another) are a serious issue. While it is legitimate to talk to others about your assignments and incorporate suggestions, do not let others "write" your assignments in the name of peer review or "borrow" sections or whole assignments written by others. We do get ideas from life experiences and what we read but be careful that you interpret these ideas and make them your own.

I am aware that many types of assignments are available on the internet and will check these sources when there is legitimate suspicion.

Penalty is a zero on the assignment. In cases where there is a major or continuous breach of trust, further discipline, such as an "F" in the course, may be necessary.

The major consequence of any form of cheating is damage to your character and the result of trust and respect.

DISABILITY ACCOMMODATIONS

Students who have a disability and wish to request an academic accommodation should contact Jim Gepperth, the Disabilities Services Coordinator and Academic Dean. The student can request an accommodation at any time although it is encouraged to do so early in the enrollment process. The student should complete an accommodation request form which begins a conversation between the school and the student regarding the nature of their disability and an accommodation that would help the student succeed in their program. The school may request documentation regarding the disability to address the accommodation request effectively. The school will communicate to the student the type of accommodation arranged. This process typically follows a team approach, bringing together persons from the academic department (including the instructor) and personnel from other departments as necessary. Additional information on disability accommodations may be found in the Lakewood University Catalog.

Disability Services Email: disabilityservices@lakewood.edu

SUPPLEMENTAL TEXTS

You can use the following resources to assist you with proper source citation.

American Psychological Association Style Guide- https://www.mylakewoodu.com/pluginfile.php/118179/mod_resource/content/1/APA%20Style%20Guide%207th%20edition.pdf

The Purdue OWL website is also a helpful resource for students. Here is a link to the OWL website: https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html

LIBRARY

Mary O'Dell is the Librarian on staff at Lakewood University

She is available by appointment. You can make an appointment with her by emailing her at modell@lakewood.edu or call at 1-800-517-0857 X 730

You may also schedule a meeting at this link: https://my.setmore.com/calendar#monthly/r3a761583354923270/01032020

She can assist you with navigating LIRN, research, citations etc.

SUPPORT

Each student at Lakewood University is assigned a Success Coach. Your Success Coach exists to assist you with academic and supportive services as you navigate your program. They will reach out to you, often, to check-in. Please use the resources they offer.

Student Services is available to assist with technical questions regarding Lakewood University and all services available to you.

1-800-517-0857 option 2
info@lakewood.edu
studentservices@lakewood.edu

CAREER SERVICES

Students are offered Career Services at any point as they journey their academics at Lakewood University.

1-800-517-0857 option 2
careerservices@lakewood.edu

LESSONS

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #1	• Phase 1: System Planning	• Study Course Syllabus • Read Chapter 1: Intro. to Systems Analysis and Design • Read Chapter 2: Analyzing the Business Case • Participate in the Discussion Forum • Complete Assignment 1 • Complete Summary 1.10 • Complete Assignment 2 • Complete Summary 2.10 • Lesson Evaluation	Completion of the following items: • Discussion Forum • Assignment 1 • Summary 1.10 • Assignment 2 • Summary 2.10	Objective 1
Lesson #2	• Phase 1: System Planning • Phase 2: System Analysis	• Read Chapter 3: Managing Systems Projects • Read Chapter 4: Requirements Engineering • Participate in the Discussion Forum • Complete Assignment 3 • Complete Assignment 4 • Lesson Evaluation	Completion of the following items: • Discussion Forum • Assignment 3 • Assignment 4	Objective 2
Lesson #3	• Phase 2: System Analysis	• Read Chapter 5: Data and Process Modeling • Read Chapter 6: Object Modeling • Participate in the Discussion Forum • Lesson Evaluation	Completion of the following items: • Discussion Forum	Objective 3

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #4	• Phase 2: System Analysis • Phase 3: System Design	• Read Chapter 7: Development Strategies • Read Chapter 8: User Interface Design • Participate in the Discussion Forum • Lesson Evaluation	Completion of the following items: • Discussion Forum	Objective 4
Lesson #5	• Phase 3: System Design	• Read Chapter 9: Data Design • Participate in the Discussion Forum • Lesson Evaluation	Completion of the following items: • Discussion Forum	Objective 5
Lesson #6	• Phase 3: System Design	• Read Chapter 10: System Architecture • Participate in the Discussion Forum • Complete Assignment 5 • Lesson Evaluation	Completion of the following items: • Discussion Forum • Assignment 5	Objective 6
Lesson #7	• Phase 4: Systems and Implementation	• Read Chapter 11: Managing Systems AND Implementation • Participate in the Discussion Forum • Complete Assignment 6 • Lesson Evaluation	Completion of the following items: • Discussion Forum • Assignment 6	Objective 7
Lesson #8	• Phase 5: Systems Support and Security	• Read Chapter 12: Managing Systems Support and Security • Participate in the Discussion Forum • Complete the Final Project Case Study • Request the Next Course • Lesson Evaluation • THANKS FOR A GREAT CLASS	Completion of the following items: • Discussion Forum • Final Project Case Study	Objective 8

DESCRIPTION

This course will enable students to describe principles, concepts, and practice of system analysis and design process explaining the processes of constructing the different types of information systems apply object-oriented concepts to capture business requirements.

Program Objectives

1. **Students will learn the foundation of system analysis and design.**
2. **Students will learn how to analyze a business case.**
3. **Students will learn how to manage systems projects.**
4. **Students will learn the importance of requirements and data processing modeling.**
5. **Students will show mastery in object modeling and development strategies.**

6. **Students will learn how to implement user interface design, data design, and system architecture.**
7. **Students will demonstrate how to manage systems implementations.**
8. **Students will learn how to manage system support and security.**

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