

Course: IS/ICT-303

Title: Systems Analysis

Term: Fall 2021
Credit hours: 3
Meeting days/time/location: Online

Instructor Information

Name: Austin Stroud
Email: Austin.Stroud@uky.edu
Virtual Office hours: Contact me via a message on Canvas to setup a time.
Preferred method of contact: Canvas.

Course Description

This course examines and applies the principles of information systems analysis. It surveys project management, feasibility and analysis, systems requirement definition and resource allocation. It utilizes a structured systems development methodology that spans the entirety of the information system lifecycle, which starts with the conception of the need for a specific information system and ends with the implementation of that system. The course utilizes a case study approach in which students initiate the analysis and logical design of a limited-scope information system.

Course Prerequisites

ICT 202

Required Materials

- * No required textbook.
- * Extensive lecture notes will be provided.
- * Other reading materials will be posted on Canvas every week.

Student Learning Outcomes

The overall course objective is to give you the concepts and skills you need to analyze and design information systems. After the successful completion of this course, you will be able to:

- *Provide a solid understanding of the fundamental principles of information systems and system analysis.
- *Enhance critical thinking skills using scenario-based tasks to help students develop organization, analysis, problem-solving, and decision-making skills they can apply in the workplace.
- *Provide an understanding of some of real-life ethical issues in an Information Technology (IT) environment.

Course Details

Tentative Course Schedule

August 23-29: Week 1
August 30-September 5: Week 2

September 6-September 12: Week 3
September 13-September 19: Week 4
September 20-September 26: Week 5
September 27-October 3: Week 6
October 4-October 10: Week 7
October 11-October 17: Week 8
October 18-October 24: Week 9
October 25-October 31: Week 10
November 1-November 7: Week 11
November 8-November 14: Week 12
November 15-November 21: Week 13
November 22-November 28: Thanksgiving Break
November 29-December 5: Week 14
December 6-December 12: Week 15

Course Activities and Exams

Summary Description of Course Assignments

*** Assignments**

- Assignment #1 – Conceptual Data Modeling (8 points)
- Assignment #2 – Relational Tables (8 points)
- Assignment #3 – Basic SQL (7 points)
- Assignment #4 – Web Data Structuring (1) (8 points)
- Assignment #5 – Web Data Structuring (2) (8 points)
- Assignment #6 – DFD (1) (8 points)
- Assignment #7 – DFD (2) (5 points)
- Assignment #8 – Class Diagram (8 points)
- Assignment #9 – Wireframing (10 points)
- Assignment #10 – Task Analysis (5 points)
- Topic Essay (10 points)
- Website Critique (5 points)

*** Quizzes**

There are two quizzes in Week 7 & 13. Each quiz will consist of true/false, multiple choice, and short answer questions. Each quiz is worth 7.5 points for a total of 15 points.

Grading Scale

90 – 100% = A
80 – 89% = B
70 – 79% = C
60 – 69% = D
Below 60% = E

Midterm Grades

For undergraduates, midterm grades will be posted in myUK by the deadline established by the University Senate and published in the [Academic Calendar](http://www.uky.edu/registrar/content/academic-calendar). (<http://www.uky.edu/registrar/content/academic-calendar>)

Attendance Policy/Acceptable Documentation

Please contact your instructor as soon as possible if things arise that prevent you from completing your work on time.

Assignment Policies

Assignment Submissions

All assignments will be submitted on Canvas.

Returning Assignments to Students

Feedback will be given and all assignments graded within a week of an assignment's due date.

Late Assignments

If an absence is not excused or cleared by the instructor, then any late assignments will be subject to a 10% penalty. (Per the [University Senate Rules](https://www.uky.edu/universitysenate/rules-regulations), within some guidelines late assignments must always be accepted for excused absences. (<https://www.uky.edu/universitysenate/rules-regulations>])

Academic Policy Statements

The Senate's [Academic Policy Statements](#).

Academic Offenses (Cheating, Plagiarism, and Falsification or Misuse of Academic Records)

The Senate-maintained web page of [Rules Regarding Academic Offenses](#).

Resources

UK's [Distance Learning Library Services](#), [Tutoring and Coaching Resources](#).

Diversity, Equity, and Inclusion

Senate Council-approved [Syllabus Statement on Diversity, Equity, and Inclusion \(DEI\)](https://www.uky.edu/universitysenate/syllabus-dei). (<https://www.uky.edu/universitysenate/syllabus-dei>)]

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