

SYSTEMS ANALYSIS AND DESIGN
The University of Georgia – College of Education
EBUS 5100 – Spring Semester 2008
COURSE SYLLABUS

INSTRUCTOR	Rob Izzo	OFFICE HOURS	By Appointment
HOME EMAIL ADDRESS	robizzo@gmail.com (Preferred)	WORK EMAIL ADDRESS	rob_izzo@gwinnett.k12.ga.us
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Phone calls: Please call before 9:00 p.m. on weeknights.

*Email: Please include "EBUS 5100" in the subject line and send all messages to the listed addresses.
(Do not send instructor messages through WebCT.)*

Location & Schedule

Rivers Crossing 143
Mondays; 4:30 – 7:15 p.m.
Final Examination – Monday, May 5, 4:30 – 7:15 p.m.
Course Web site – [WebCT](#)

Note: The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary. The final exam time is set tentatively and shall be coordinated with both the University of Georgia Registrar's exam schedule as well as with the College of Education course schedule

Required Textbooks

Shelly, G. B., Cashman, T. J., Pratt, P. J., & Last, M. Z. (2008). Microsoft Access **2007**: Comprehensive concepts and techniques. Boston, MA: Course Technology. 1-4188-4341-5.



Shelly, G. B., Cashman, T. J., Rosenblatt H. J. (2008). Systems analysis and design, **7th ed.** Boston, MA: Course Technology. 1-4239-1222-5.



Some book stores may provide these 2 books as a shrink-wrapped Course Kit.

Description of Course

This course provides technical background and knowledge for teaching information system development and implementation in occupational studies including instructional strategies for project management, documentation standards, hardware and software considerations, organizational change and personnel factors, needs analysis, feasibility studies, systems design, and structured applications development.

Additionally, this course includes a small group service-learning project that is completed as the term progresses. The exercises associated with this project provide opportunities for students to acquire information system development skills within a real-world context. The products produced as a part of this process will be delivered to clients at the end of the term and should be appropriate for implementation at that point.

Other Required Materials

- USB Memory Stick or other storage media for course files and assignments
- Notebook for course materials

Topics Covered

1. Overview of office and end-user information systems.
2. Systems models and problem solving.
3. The Systems Development Life Cycle (SDLC).
4. Systems analysis.
5. Systems development.
6. Principles of planning and data flow diagrams (DFD).
7. File and database design and normalization.
8. Systems implementation and evaluation.
9. Information systems application development.
10. Designing instructional activities for MS Access.
11. Group and interpersonal characteristics in systems instruction.
12. Portfolio development for instruction in systems analysis and design.

Additional Graduate Level Topics

13. Application of systems analysis and design principles to research activities.
14. Theoretical constructs applicable to systems analysis and design instruction.
15. Assessment and implementation of alternative instructional models and methodology for systems analysis and design instruction.

Objectives of the Course

Students who successfully complete this course will be able to:

1. Integrate systems development principles into their instructional practice and content.
(2, 3, 6)
2. Explain the typical components of office and end-user information systems.
(1, 4)
3. Describe the System Development Life Cycle (SDLC) as applied to development of computer information processing systems.
(2, 3, 4, 5, 6, 7, 8)
4. Teach others how to analyze organizational computer system needs and develop appropriate solutions.
(2, 3, 4, 10)
5. Demonstrate the use of computer applications to solve systems design tasks.
(5, 7, 10, 12)
6. Describe the social and interpersonal elements essential to the development and implementation of information systems.
(1, 4, 8, 11)
7. Implement appropriate instructional strategies for teaching information systems analysis and design courses.
(2, 10, 11, 12)

Additional Graduate Level Objectives

- 8. Employ systems development principles in the design and implementation of research activities.
(2, 13)
- 9. Describe the theoretical base for social and interpersonal components of instructional activities in systems analysis and design.
(4, 11, 14)
- 10. Identify and describe alternative instructional models for teaching information systems analysis and design courses.
(10, 11, 12, 14, 15)
- 11. Design instructional activities that correspond to a specified instructional model for systems analysis and design instruction.
(10, 12, 14, 15)

Note: Numbers in parentheses correspond to topics covered that are applicable to that objective.

Student Activities

- 1. Study of assigned readings.
- 2. Completion of assigned exercises, projects, and problems.
- 3. Participation in class discussions.
- 4. Completion of periodic papers and examinations.

Due Dates and Meeting Deadlines

All assignments are due on or before the due date. The method of submitting each assignment will be stated in the assignment instructions. Most assignments will be submitted via WebCT. If you have an emergency and your assignment cannot be submitted on or before the due date, contact the instructor.

Evaluation Breakdown

Microsoft Access Assignments.....	20%
Assigned Case Studies and Course Quizzes.....	5%
Research Paper	10%
Small Group System Project	25%
Mid-Term examination	20%
Final examination (comprehensive exam).....	20%

Grading Scale:	A	90-100
	B	80-89
	C	70-79
	D	60-69
	F	0-59

Microsoft Access 2007 Assignments

Students will complete self-directed lessons through the Microsoft Access 2007 textbook. Assignments will cover beginning to intermediate database skills and are to be submitted through the WebCT assignment delivery system. The assignment due dates will vary and will be listed on the course calendar.

Case Studies and Quizzes

A variety of case studies and other assigned activities may be utilized throughout the term to provide problem solving experience and opportunities for enriching the content covered in class. All written work assigned in advance should be prepared using appropriate word processor and printing technology and should be checked for correct spelling, punctuation, grammar, and usage. Quizzes may be administered online or in class with or without advanced notice. If a case study is administered during a class session and a student is absent, it may only be made-up at the discretion of the instructor.

Research Paper

Students will complete a formal research paper on systems-related instructional topics as a component of the course grade. The paper must address both technical details of a systems-related topic as well as instructional techniques used in teaching in this area of business education.

Small Groups System Project

A key part of the activities completed under this heading will be the small group information systems development project. Working in groups of three or four, students will identify a real-world client with a need that can be resolved using an Microsoft Access based computerized information system. Students will process the various stages of the Systems Development Life Cycle as project development is completed.

Examinations

There will be two (2) examinations during the term, a midterm (covering material from the first class meeting to the date of the exam) and a final (a comprehensive exam related to any/all material covered during the term).

Class Participation

Punctuality, attendance, and participation are important to successful completion of requirements for this course. For that reason, attendance will be taken at each class meeting and students should make every effort to be in class on-time. While no penalties will be deducted from a student's grade for not coming to a stated number of classes, students with no more than one absence during the term will receive 3 points added to their course grade.

Note: Students with disabilities who require reasonable accommodations in order to participate in course activities or meet with course requirements should contact the instructor during regular office hours or by appointment.

Late Assignments

Completed case studies, learning activities, and papers should be submitted by the end of the class period on the date they are due. Late assignments are generally penalized 10% for each day they are late unless arrangements are made to submit the materials at a later time. Email documentation showing communication with the instructor is required to avoid penalties for late work.

Dishonesty

All academic work must meet the standards contained in *A Culture of Honesty*. Each student is responsible to be informed about those standards before performing any academic work.

Dishonesty of any type, related to completion of course assignments, examinations, or other required activities is a serious offense. Should such an instance occur, it will be handled in accord with University regulations as described in the current edition of the *Undergraduate and/or Graduate Bulletin*.

Drop Policy

The drop policy is described in the Spring Semester *Schedule of Classes*. If circumstances arise that will prevent a student from adequately fulfilling course requirements, it is important to address procedures to drop the class prior to the mid-point of the semester.

File Submission

When a student submits a file electronically, either to the instructor via email or through the WebCT procedures, the following considerations should be met:

- Format the file name as: Last Name First Initial Date File Name
(e.g. Izzo R 010708 Spring Syllabus)
- All files for MS Access must be placed in a zip folder as most email applications and WebCT do not allow for database files to be sent electronically. If you require assistance in creating a zip folder, please contact the instructor in a timely manner.