



EFFECTIVE: SEPTEMBER, 2007

CURRICULUM GUIDELINES

A. Division: Education Effective Date: September 2007

B. Department / Program Area: Commerce & Business Admin.
 Computing Science And Information Systems

Revision New Course

If Revision, Section(s) Revised:
 Date of Previous Revision:
 Date of Current Revision:

C: CSIS2200 **D:** SYSTEMS ANALYSIS AND DESIGN **E:** 3

Subject & Course No.	Descriptive Title	Semester Credits
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F: Calendar Description:
 This course will provide a general introduction to current information systems analysis techniques. The student will be provided with the skills that are necessary for the analysis and design of information systems, and will apply these skills in a step-by-step manner leading from the recognition of a problem to the implementation of a solution on a case study.
Note: Students who have received credit for CISY2200 will not receive further credit by taking CSIS2200.

G: Allocation of Contact Hours to Type of Instruction / Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

Lectures and Seminars

Number of Contact Hours: (per week for each descriptor)

Lecture: 2 Hours per week

Seminar: 2 Hours per week

Total: 4 Hours per week

Number of Weeks per Semester:

15 Weeks X 4 Hours per Week = 60 Hours

H: Course Prerequisites:

Academic English 12 with a grade of C or better
 AND CSIS1110 or CISY1110 or approved equivalent

I: Course Corequisites:

Nil

J: Course for which this Course is a Prerequisite

CSIS2300 and CSIS3275

K: Maximum Class Size:

35

L: PLEASE INDICATE:

Non-Credit

M: Course Objectives / Learning Outcomes

The student will be able to:

- 1) define information systems terms as used in current practice by information systems practitioners;
- 2) explain the relationship between information technology and information systems to the organization and to organizational goals;
- 3) explain the functions of systems analysis and design, and the roles and responsibilities of the systems analyst and the project manager;
- 4) describe current methods and approaches to information systems analysis and design;
- 5) use project planning methods and tools including PERT/CPM, Gantt, MS Project and a spreadsheet;
- 6) use analysis methodologies including data flow diagrams, entity-relationship diagrams, structure charts, data dictionaries, UML and various process definition methods;
- 7) explain the importance, the uses and the components of CASE;
- 8) describe the major phases and activities involved in the information system development process, and the corresponding outcomes and deliverables;
- 9) apply the systems development process in exercises and case studies, within an organizational context, using relevant techniques and methods;
- 10)

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR No
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Course Designer(s): Sarah Stephens

Education Council / Curriculum Committee Representative

Dean: Rosilyn G. Coulson

Registrar: Trish Angus