

PROFESSOR:

PHONE NUMBER:

OFFICE LOCATION:

E-MAIL:

OFFICE HOURS:

SEMESTER:

I. **COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:**

ISM 2200C APPLIED BUSINESS ANALYTICS (3 CREDITS)

This course provides a foundation for students to understand and apply the core principles and tools of a relational database. This combination of knowledge and skills will allow students to create tables, manage data within those tables, and create customized reports derived from data stored in relational databases.

II. **PREREQUISITES FOR THIS COURSE:**

CGS1100

CO-REQUISITES FOR THIS COURSE:

None

III. **GENERAL COURSE INFORMATION:** Topic Outline.

- Design and create Relational databases
- Create and execute SQL statements
- Create business reports and analyses
- Utilize Data mining to create predictive models

IV. **ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:**

Communicate clearly in a variety of modes and media.

Research and examine academic and non-academic information, resources, and evidence.

Evaluate and utilize mathematical principles, technology, scientific and quantitative data.

Analyze and create individual and collaborative works of art, literature, and performance.

Think critically about questions to yield meaning and value.

Investigate and engage in the transdisciplinary applications of research, learning, and knowledge.

Visualize and engage the world from different historical, social, religious, and cultural approaches.

Engage meanings of active citizenship in one's community, nation, and the world.

A. General Education Competencies and Course Outcomes

1. Listed here are the course outcomes/objectives assessed in this course which play an integral part in contributing to the student's general education along with the general education competency it supports.

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Use SQL functions to retrieve data from multiple tables and report aggregated data

General Education Competency: **Think**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Explain how data mining is used in business

Monitor the system and generate reports

B. Other Course Objectives/Standards

- Retrieve, restrict, and sort data from different data sources
- Create and maintain database objects such as tables, queries, forms, and reports
- Use SQL functions to retrieve data from multiple tables and report aggregated data
- Create complex subqueries
- Use databases to create predictive models
- Explain how data mining is used in business

V. DISTRICT-WIDE POLICIES:**PROGRAMS FOR STUDENTS WITH DISABILITIES**

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College's guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <http://www.fsw.edu/adaptiveservices>.

REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct. Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at equity@fsw.edu. Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online. Additional information and resources can be found on the College's website at <http://www.fsw.edu/sexualassault>.

VI. REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

VII. ATTENDANCE POLICY:

The professor's specific policy concerning absence. (The College policy on attendance is in the Catalog, and defers to the professor.)

VIII. GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

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

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.”)

IX. REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

X. RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

XI. CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

XII. ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)