

# INFORMATION SYSTEMS (INFO SYS)

## INFO SYS 322 – INTRODUCTION TO DATABASES

3 credits.

Introduction to database management systems with a focus on relational databases. Covers designing, creating, populating, managing, and retrieving data from databases. SQL will be used with a focus on querying for business applications and intelligence, data retrieval for summary reports, and data visualization. Offers a brief introduction to non-relational databases for business applications.

**Requisites:** None

**Repeatable for Credit:** No

**Last Taught:** Fall 2022

## INFO SYS 352 – DIGITAL STRATEGY

3 credits.

Focus on the economic and technical concepts behind emerging information systems. Industry cases covering platforms, online markets, artificial intelligence, and business analytics. Caters to interests in technology consulting.

**Requisites:** None

**Repeatable for Credit:** No

## INFO SYS 365 – CONTEMPORARY TOPICS

1-3 credits.

Exploration of subject areas possibly to be introduced into the business curriculum.

**Requisites:** Sophomore standing or declared in undergraduate Business Exchange program

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2023

## INFO SYS 371 – TECHNOLOGY OF COMPUTER-BASED BUSINESS SYSTEMS

3 credits.

Focus is on developing applications and business information systems on the web using a variety of programming languages and tools. Emphasis on deployment as well as design concepts.

**Requisites:** COMP SCI 301 or 220

**Repeatable for Credit:** No

**Last Taught:** Spring 2023

## INFO SYS 424 – SYSTEMS ANALYSIS AND DESIGN

3 credits.

Applied principles and techniques of information systems development including requirements identification and analysis, process and data modeling, team communication and collaboration, and system testing.

**Requisites:** INFO SYS 322 (422 prior to Fall 2023) and 371

**Repeatable for Credit:** No

**Last Taught:** Spring 2023

## INFO SYS/ISY E 722 – COMPUTER-BASED DATA MANAGEMENT

3 credits.

Use, control and administration of centralized and distributed data bases. Topics include the definition, design, creation, revision, interrogation, update, security and integrity of data bases.

**Requisites:** Graduate/professional standing and INFO SYS 371

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2020

## INFO SYS 724 – ANALYSIS AND DESIGN OF COMPUTER-BASED SYSTEMS

3 credits.

Analysis of business systems to identify possible need for new or improved computer-based systems and the design of systems to meet those needs.

**Requisites:** INFO SYS/ISY E 722

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2018

## INFO SYS 765 – CONTEMPORARY TOPICS

1-3 credits.

Exploration of subject areas possibly to be introduced into the business curriculum.

**Requisites:** Graduate/professional standing or declared in graduate Business Exchange program

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2023