# MANAGEMENT INFORMATION SYSTEMS (MINS)

See Course Description Symbols and Terms (https://catalog.csuchico.edu/academic-standards-policies/course-description-symbols-terms/) for an explanation of course description terminology and symbols, the course numbering system, and course credit units.

**MINS 198 Special Topics** **1-3 Units**
**Typically Offered:** Fall and spring
3 hours supervision. (005816)
**Grade Basis:** Graded
**Repeatability:** You may take this course more than once
**Course Attributes:** Lower Division

**MINS 235 Database Design** **3 Units**
**Typically Offered:** Fall and spring
Study of fundamental database design principles and techniques, including data modeling with Entity-Relationship diagrams and normalization. Study of SQL (Structured Query Language) database management systems capabilities. Study of the relational data model and relational operations. Study of database security mechanisms. Introduction to PL/SQL. Application of concepts and techniques to practical business scenarios. 3 hours lecture. (005814)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Lower Division

**MINS 301 Corporate Technology Integration** **3 Units**
**Prerequisite:** Junior Standing
**Typically Offered:** Fall and spring
This course introduces students to the concept of information systems as the application of technical resources to support organizational processes. Given this foundation, students build an integrative, process-oriented understanding of information systems and their deployment, management, and use within distributed and global organizations. Projects focus on introductory enterprise systems, fundamentals of database systems, and basic Web programming. 3 hours lecture. (005770)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 311 Foundation of Database Design** **1.5 Units**
**Prerequisite:** Open to Online MBA and Online BADM BS students only.
**Typically Offered:** Fall only
This course provides students with the core concepts of database design through data modeling, data definition language (DDL), and data manipulation language (DML). Microsoft's SQL Server - a relational database - is our primary interest, as it is one of the most widely used database management system. The underlying foundation and technologies behind database design will be discussed. After successfully completing this course, students will be able to effectively and efficiently organize data using the notion of entity-relationship diagram (ERD) and to perform data retrieval using SQL DML statements. 1.5 hours lecture. (022154)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 1.5 units
**Course Attributes:** Upper Division

**MINS 312 Foundations of Networking** **1.5 Units**
**Prerequisite:** Open to Online MBA and Online BADM BS students only.
**Typically Offered:** Spring only
This is an introductory course into the foundations of computer networking. You will learn how basic computer networks are built to interconnect and form Local Area Networks (LANs) and Wide Area Networks (WANs). The course topics include basic network topologies, cabling, TCP/IP networks, ethernet switching, wireless networking, optical networks, and the Internet. Hands-on-Labs are available for learning functions and configurations for network protocols. Throughout this course, you will gain a greater understanding of how and why each type of technology is used and implemented. 1.5 hours lecture. (022143)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 1.5 units
**Course Attributes:** Upper Division

**MINS 325 Business Programming** **3 Units**
**Prerequisite:** BSIS 301 or MINS 301.
**Typically Offered:** Fall and spring
Introduction to the basic problem- solving skills needed to create and maintain business-oriented software. This course provides an overview of business information systems, their use in business contexts, and object-oriented design of applications. Coverage includes a survey of basic data structures and the standard algorithms used to manipulate and work with them. Students are expected to build and test a number of programs using an integrated development environment. 3 hours lecture. (005819)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 335 Database Application Development** **3 Units**
**Prerequisite:** MINS 235.
**Typically Offered:** Fall and spring
Study of database application development concepts and techniques. Advanced data modeling and SQL for complex business applications. Stored procedures and database triggers. Application of concepts and techniques to practical business information processing environments. Development of a fully integrated database application. Study of Web database interface capabilities. 3 hours lecture. (005821)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 346 Data Communications and Networking** **3 Units**
**Typically Offered:** Fall and spring
An introduction to data communications and local area networks. This course provides a background in standards and protocols used in communications and their functions within a business information system environment. The class combines lectures, writing assignments, group work, and class discussion to develop a fundamental knowledge of data communications and its importance to the business information systems environment. 3 hours lecture. (021457)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 350 Business Systems Analysis** **3 Units**
**Prerequisite:** MINS 235, BCOM 300W (for BSIS majors, may be taken concurrently).
**Typically Offered:** Fall and spring
An in-depth examination of tools, techniques, and processes used to support the systems analysis portion of the systems development life cycle. Emphasis is given to requirements gathering, gap-fit analysis, development of the business case for systems development projects, as well as tools and techniques that plan, identify, model and communicate conceptual systems to both end users and programmers. Both case studies and real projects are used to develop hands-on experience with conducting business analysis studies from object, data, and process perspectives. 3 hours lecture. (005818)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 389 Internship/Cooperative Education** **1-3 Units**
**Prerequisite:** Senior standing, faculty permission.
**Typically Offered:** Fall and spring
This course is an internship. You must register directly with a supervising faculty member. For students who wish to gain practical work experience with participating firms/organizations. This course enables a student to study policy, control, and decision-making in a specialized work environment. See advisor for student's performance requirements, assignments, and methods of evaluation prior to undertaking the internship. 9 hours supervision. (005822)
**Grade Basis:** Credit/No Credit
**Repeatability:** You may take this course for a maximum of 15 units
**Course Attributes:** Upper Division

**MINS 398 Special Topics** **1-3 Units**
**Prerequisite:** Department permission.
**Typically Offered:** Fall and spring
This course is for special topics. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours supervision. (005824)
**Grade Basis:** Graded
**Repeatability:** You may take this course more than once
**Course Attributes:** Upper Division

**MINS 399 Special Problems** **1-3 Units**
**Typically Offered:** Fall and spring
This course is an independent study of special problems. You must register directly with a supervising faculty member. Students registering for this course should prepare a project proposal to be discussed with their faculty advisor before enrolling in the course. 9 hours supervision. (005825)
**Grade Basis:** Credit/No Credit
**Repeatability:** You may take this course for a maximum of 6 units
**Course Attributes:** Upper Division

**MINS 446 Distributed Systems Management** **3 Units**
**Prerequisite:** BSIS 301, MINS 346.
**Typically Offered:** Fall only
An in-depth analysis of current managerial issues related to business data communications, networks, and distributed processing. The topics covered in this course directly impact the analysis, design, and implementation of management information systems for both private organizations and government. Mainstream and emerging standards, products, and protocols are examined as well as an in-depth study of the Internet Protocol. 3 hours lecture. (005829)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 498 Special Topics in Management Information Systems** **1-3 Units**
**Prerequisite:** Senior standing.
**Typically Offered:** Fall and spring
This course is for special topics. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. For advanced students who wish to investigate business problems in specialized areas. Application of research methods. 3 hours supervision. (005839)
**Grade Basis:** Graded
**Repeatability:** You may take this course more than once
**Course Attributes:** Upper Division

**MINS 499 Special Problems** **1-3 Units**
**Prerequisite:** Faculty permission.
**Typically Offered:** Fall and spring
This course is an independent study of special problems. You must register directly with a supervising faculty member. 3 hours supervision. (005840)
**Grade Basis:** Credit/No Credit
**Repeatability:** You may take this course for a maximum of 6 units
**Course Attributes:** Upper Division

**MINS 499H Honors Seminar in Management Information Systems** **3 Units**
**Prerequisite:** Acceptance into the Honors Program, faculty permission.
**Typically Offered:** Inquire at department
This 3-unit course consists of a comprehensive research study and paper dealing with business policy and strategy and the integrative and international aspects of business operations, especially as they pertain to the fields of management information systems. A final written report and a public presentation of findings are both requirements of this course. Business Honors Program students must earn at least a B in this course in order to receive honors credit. Students completing Honors in the Major will enroll in this course for two semesters. 9 hours supervision. (005841)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 6 units
**Course Attributes:** Upper Division

**MINS 522 Enterprise Resource Planning: Systems Administration 3 Units**
**Prerequisite:** MINS 235.
**Typically Offered:** Fall only
This course focuses on advanced system support issues related to an Enterprise Resource Planning (ERP) system that is used in global organizations. Students learn how to provide basic systems administration support of the operating system, database, and application system software levels within a large ERP system used to support a global organization with multiple companies. Concepts, issues, current trends, decision making, and trouble shooting are addressed through a multi-layered view of the system. 4 hours activity, 1 hour discussion. (005835)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 523 Enterprise Resource Planning: System Administration 2 3 Units**
**Prerequisite:** MINS 522.
**Typically Offered:** Spring only
This course focuses on advanced system support issues related to an Enterprise Resource Planning (ERP) environment that is used to support global organizations. Students learn how to provide advanced systems administration support of the operating system, database, and application system software levels within a large ERP system as well as the many add-ons and enhancements that these systems currently utilize. Concepts, issues, current trends, decision making, evaluation of extensions and trouble shooting are addressed through a multilayered view of the system. 4 hours activity, 1 hour discussion. (021052)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 526 Business Intelligence and Data Warehousing: Design and Development 3 Units**
**Prerequisite:** MINS 235. Open only to BADM, BSIS and MBA majors
**Typically Offered:** Spring only
Advanced instruction of business intelligence and data warehousing. The course covers business intelligence functionality with an emphasis on data warehouse design and development. Students demonstrate a working knowledge of business intelligence and data warehouse design development and performance management via hands on assignments and a culminating project. 3 hours lecture. (020585)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 535 Database Administration 3 Units**
**Prerequisite:** MINS 235.
**Typically Offered:** Spring only
Study of the tasks and responsibilities of the database administrator, including configuring memory and disk space, establishing security, providing for backup and recovery, performance monitoring and tuning, and setting up client-server network capabilities. Study of advanced database design principles and techniques. Study of advanced SQL (Structured Query Language) and database management system capabilities. Application of concepts and techniques to practical database system administration environments in business. 3 hours discussion. (005833)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 536 Security and Privacy Issues in Information Technology 3 Units**
**Prerequisite:** Junior standing, open to Business and Computer Information System majors only.
**Typically Offered:** Fall only
This course covers a broad range of information security topics. The course theme is the protection of information resources from disruption, destruction, or disaster as well as unauthorized access. The course covers controls designed to (1) protect information assets, (2) detect the loss of information, and (3) correct information loss situations. Students study the use of authentication and authorization systems, firewalls, encryption systems, redundant disk arrays, and other tools designed to prevent loss of information. Students also study intrusion detection systems, file-fingerprinting tools as well as other methods and controls designed to detect information loss. Finally, students study backup strategies and controls designed to ensure the recovery of lost information. Single-site redundancy as well as the use of backup data centers and redundant communications systems are studied to address the protection of user access to information resources. Risk assessments, security policies, and formal controls processes are used to apply the information learned in the course to real world scenarios. 3 hours lecture. (005832)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 537 Information Storage and Management 3 Units**
**Prerequisite:** BSIS 301, MINS 235, MINS 346.
**Typically Offered:** Spring only
This course provides students with an introduction to and hands-on or simulated interaction with state of the art enterprise storage strategies and systems. This course provides a background in hardware, standards and protocols used in direct attached, network attached and fibre channel data storage. The course also covers backup and recovery, business continuity and disaster recovery strategies as required by and appropriate to business. Finally, the course covers security provisions for the stored data and management issues in the data center. 3 hours discussion. (021014)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 546 E-Commerce and Cloud Computing in Business 3 Units**
**Prerequisite:** Junior standing.
**Typically Offered:** Fall only
Applied understanding of contemporary E-Commerce and use of cloud-based technology infrastructure (specifically: Amazon Web Services (AWS)). Basics of web-stacks: cloud concepts; and E-Commerce conventions. The focus of the course is the practical development of a responsive E-Commerce website. Applied use of multiple cloud-based technologies; including: cloud-servers, storage, and databases; user identify; monitoring and logging; cloud infrastructure configuration management. This course also address rudiments of online payment systems as well as Search Engine Optimization, Search Engine Marketing, and web analytics. 3 hours lecture. (005834)
**Grade Basis:** Graded
**Repeatability:** You may take this course for a maximum of 3 units
**Course Attributes:** Upper Division

**MINS 598 Special Topics in Management Information Systems** **1-3 Units**
**Prerequisite:** Department permission.
**Typically Offered:** Fall and spring
This course is for special topics. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 0 hours supervision. (020124)
**Grade Basis:** Graded
**Repeatability:** You may take this course more than once
**Course Attributes:** Upper Division

**MINS 689 Directed Internship** **1-3 Units**
**Typically Offered:** Fall and spring
This course is an internship. You must register directly with a supervising faculty member. Study of policy, control, and decision-making in selected organizations, arranged and supervised by a member of the graduate faculty in close working relationship with the management of an organization. 9 hours supervision. (005845)
**Grade Basis:** Credit/No Credit
**Repeatability:** You may take this course for a maximum of 15 units
**Course Attributes:** Graduate Division

**MINS 697 Independent Study** **1-4 Units**
**Typically Offered:** Fall and spring
This course is a graduate-level independent study. You must register directly with a supervising faculty member. 0 hours supervision. (005850)
**Grade Basis:** Report in Progress: Graded
**Repeatability:** You may take this course for a maximum of 6 units
**Course Attributes:** Graduate Division

**MINS 699T Master's Thesis** **1-3 Units**
**Typically Offered:** Fall and spring
You must register directly with a supervising faculty member. 9 hours supervision. (005855)
**Grade Basis:** Report in Progress: CR/NC
**Repeatability:** You may take this course for a maximum of 6 units
**Course Attributes:** Graduate Division