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: Upper 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 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
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. For students 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 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 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