INFORMATION SYSTEMS & QUANTITATIVE ANALYSIS (ISQA)

ISQA 8016 BUSINESS INTELLIGENCE (3 credits)
This course intends to provide graduate students in-depth exposure to the growing field of business intelligence. Business intelligence (BI) consists of the set of concepts and techniques used to analyze business data in support of decision-making and planning. BI spans a number of areas of management information systems, including Decision Support Systems (DSS), Enterprise Resource Planning (ERP), Data Warehousing, Knowledge Management, Customer Relationship Management, Data Mining, and others.
Prerequisite(s)/Corequisite(s): ISQA 4150 or ISQA 8156 and ISQA 8040 and ISQA 8050. Not open to non-degree graduate students.

ISQA 8030 INFORMATION SYSTEMS AND ETHICS (3 credits)
This course gives you an introduction to organizations and the role that information and information systems play in supporting an organization's operations, decision-making processes, quality management, and strategic activities. The course provides an introduction to the management of information systems function, the strategic and regulatory issues of telecommunications, and ethical and legal issues related to information systems.
Prerequisite(s)/Corequisite(s): Admission into the MS in MIS program.

ISQA 8040 AN OVERVIEW OF SYSTEMS DEVELOPMENT (3 credits)
The course presents an overview of information systems and the systems development lifecycle. Course emphasis will focus on theory, current tools and techniques that the programmer or analyst can use to develop and document information systems. This course may not be used in a plan of study for any graduate program at UNO.
Prerequisite(s)/Corequisite(s): CIST 2100 or equivalent

ISQA 8050 DATA ORGANIZATION AND STORAGE (3 credits)
The course will provide concepts of data organization, data storage, and data transfer through computer networks. The performance implications of various design decisions will be explored. The purpose of this course is to prepare the student for further graduate-level study of information systems. This course may not be used in a plan of study for any graduate program at UNO.

ISQA 8060 RESEARCH IN MIS (3 credits)
This course covers research methods and their application to the development and evaluation of management information systems. Also covered is the relationship between organization theory and IS research.
Prerequisite(s)/Corequisite(s): CIST 2500, CIST 2100, and ISQA 8040, or permission of the instructor.

ISQA 8080 SEMINAR IN MANAGEMENT INFORMATION SYSTEMS (1-5 credits)
This course is designed to acquaint students with issues which are current to the field or harbingers or emerging trends in the information systems area. Topics will vary across terms. This course may be repeated, but no topic may be taken more than once.
Prerequisite(s)/Corequisite(s): 1) Permission of the instructor. 2) Additional prerequisite courses may be required for particular course offerings.

ISQA 8086 SPECIAL TOPICS: INFORMATION SYSTEMS & QUANTITATIVE ANALYSIS (1-5 credits)
This course is designed to acquaint students with issues which are current to the field or harbingers or emerging trends in the information systems area. Topics will vary across terms. This course may be repeated, but no topic may be taken more than once. (Cross-listed with ISQA 4000)
Prerequisite(s)/Corequisite(s): Permission of instructor. Additional prerequisites may be required for particular topic offerings.

ISQA 8106 INFORMATION SYSTEMS ARCHITECTURE AND ORGANIZATION (3 credits)
This course examines the frameworks and tools used to develop an organization's information system architecture. It provides the analytical skills and conceptual frameworks with which to make recommendations and decisions regarding the integration of information technology components into an information system architecture. (Cross-listed with ISQA 4100)
Prerequisite(s)/Corequisite(s): CIST 2100 and ISQA 3310

ISQA 8136 INFORMATION TECHNOLOGY FOR DEVELOPMENT (3 credits)
Information Technology for Development (ITD) is the implementation and evaluation of information technology infrastructures to stimulate economic, social and human development. In this service-learning course, students will learn and apply ITD concepts for developing and adding value through IT by working with small business entrepreneurs in Omaha or rural Nebraska. Students will evaluate micro-business technology needs, prepare business technology plans, provide training, and implement appropriate solutions, to the extent possible within a semester class. (Cross-listed with ISQA 4130)
Prerequisite(s)/Corequisite(s): Though not required, the following courses or their equivalent would provide the necessary background: CIST 1100, CIST 1300, ISQA 3210, ISQA 3310, ISQA 3400. Not open to non-degree graduate students.

ISQA 8156 ADVANCED STATISTICAL METHODS FOR IS&T (3 credits)
This course emphasizes the application and interpretation of statistical methods including design of experiments, analysis of variance, multiple regression, and nonparametric procedures and the use of statistical computer packages. The intent is to develop quantitative abilities needed for quantitatively intensive jobs and for advanced study in management information systems, computer science and information technology. (Cross-listed with ISQA 4150)
Prerequisite(s)/Corequisite(s): CIST2500 or equivalent (at least one course in statistics), and an understanding of basic calculus (a calculus review will be conducted at the beginning of class).

ISQA 8160 APPLIED DISTRIBUTIN FREE STATS (3 credits)
The primary objective of this course is to expose students to methods of analyzing data from non-normal populations including binomial tests, contingency tables, use of ranks, Kalmogorov-Smirnov type statistics and other selected topics.
Prerequisite(s)/Corequisite(s): ISQA4150 or ISQA8156

ISQA 8166 INTRODUCTION TO ENTERPRISE RESOURCE PLANNING (3 credits)
Introduction to Enterprise Resource Planning (ERP) is designed to expose students to the primary enterprise application that forms the information systems (IS) infrastructure for most large organizations today. The primary purpose of this course is for students to gain an understanding of the enterprise wide, cross functional nature of ERP software. In the process of learning about ERPs, the students develop "hands on" experience with the largest and most well-known ERP application, SAP. (Cross-listed with ISQA 4160, SCMT 4160)
Prerequisite(s)/Corequisite(s): CIST 2100 or equivalent. Not open to non-degree graduate students.
ISQA 8180 ELECTRONIC COMMERCE (3 credits)
Electronic Commerce is the digital enablement of transactions between multiple parties. A multitude of technologies, tools and applications have brought about changes in business, and society that require careful consideration. Students are given an overview of electronic commerce business models and required to apply these to solve business problems or take on opportunities presented. They will cover topics such as social networking, electronic markets, and political and ethical issues associated with electronic commerce, and business plans for technology ventures. They will apply these concepts using Web 2.0 tools, mobile applications and website design assignments.

ISQA 8196 PROCESS REENGINEERING WITH INFORMATION TECHNOLOGY (3 credits)
Business process reengineering issues are examined. Reengineering concepts and methods are introduced. Additional special project(s) are required. SAP will be introduced. (Cross-listed with ISQA 4190)
Prerequisite(s)/Corequisite(s): CIST 2500; prerequisite/co-requisite ISQA 4110.

ISQA 8206 INFORMATION AND DATA QUALITY MANAGEMENT (3 credits)
The course primarily focuses on developing an in-depth understanding of Data and Information Quality (DQ and IQ) concepts and issues. On completing this course students will be able to understand and use DQ and IQ Concepts in Information Systems projects, be able to recognize various patterns of Data and Design Deficiencies in Systems and be able to suggest appropriate DQ and IQ improvement plans in light of known deficiencies in systems. (Cross-listed with ISQA 4200)
Prerequisite(s)/Corequisite(s): CIST 2500 and CIST 2100.

ISQA 8210 MANAGEMENT OF SOFTWARE DEVELOPMENT (3 credits)
This course will integrate concepts and techniques from software engineering, management science, psychology, organization behavior, and organization change to identify, understand, and propose solutions to the problems of software project management. The purpose of the course is to prepare the student for leadership positions in software development and software maintenance.
Prerequisite(s)/Corequisite(s): ISQA 8040 or equivalent. Not open to non-degree graduate students.

ISQA 8220 ADVANCED SYSTEMS ANALYSIS AND DESIGN (3 credits)
This course is a systems analysis and design course for systems and business analysts. The course presents an overview of object-oriented system analysis and design. The course will then focus on theory, best practices, and modern methodologies that analysts can use to analyze and design information systems.
Prerequisite(s)/Corequisite(s): ISQA 8040 or (ISQA 4110 and ISQA 4120) or equivalent.

ISQA 8230 TELECOMMUNICATIONS MANAGEMENT (3 credits)
This course will focus on the management required to operate today's complete telecommunications networks. The course will be based on the standards that are currently in place as well as examining the future directions. The student, upon the successful completion of this course, will have: an operational knowledge of the components of complex telecommunications networks, the management structures & computer systems needed to maintain that network, and the security solutions used to protect that network. (Cross-listed with CSCI 8220)
Prerequisite(s)/Corequisite(s): Acceptance into the graduate program of MIS or CSCI or by permission of the instructor. Not open to non-degree graduate students.

ISQA 8240 TELECOMMUNICATIONS PLANNING, ANALYSIS AND DESIGN (3 credits)
This course presents an in-depth discussion of systems analysis, design and implementation of telecommunication systems with a special emphasis on wide area networking and internetworking systems. The primary purpose of this course is to introduce students to methods, tools, techniques, and technology choices for telecommunication systems planning, analysis, design and implementation.
Prerequisite(s)/Corequisite(s): ISQA 8220 and ISQA 8310, not open to non-degree graduate students.

ISQA 8250 FACILITATION OF COLLABORATIVE PROBLEM SOLVING (3 credits)
The course focuses on the facilitation of collaborative problem solving and decision making processes. Students learn how to design and facilitate collaborative workshops, with support from both paper-based and electronic meeting tools. The course is hands-on and experiential, with students working in small teams to conduct real workshops.

ISQA 8306 DATABASE ADMINISTRATION (3 credits)
This course is designed to give students an applied, practical introduction to database administration. Students will gain an understanding of the functioning of a database management system and its relationship to the computing environment in which it runs. They will learn the concepts, principles, and techniques necessary to carry out such functions as database object creation, storage management, capacity planning, performance tuning, backup and recovery, and security management. Each semester the course will focus on one commercial database management system (DBMS), such as Oracle. (Cross-listed with ISQA 4300)
Prerequisite(s)/Corequisite(s): ISQA 8050. Not open to non-degree graduate students.

ISQA 8310 DATA COMMUNICATIONS (3 credits)
This course will provide a comprehensive review of data and computer communications for business information systems within the framework of the ISO OSI model, evolving techniques for effective data communications, telecommunications infrastructure and services, and the design and management of organizational data and voice communications resources.
Prerequisite(s)/Corequisite(s): CIST 2100, not open to non-degree graduate students.

ISQA 8340 APPLIED REGRESSION ANALYSIS (3 credits)
The primary objective of this course is to expose students to regression models and applications with particular emphasis on applying these concepts to IT research. Topics to be discussed include: Foundations of regression analysis using least squares procedures; model formulation, stepwise regression, transformations; graphical methods, estimation; inference; influence diagnosis; matrix formulation, multicollinearity, time series, and nonlinear models.
Prerequisite(s)/Corequisite(s): ISQA 4150 or ISQA 8156, not open to non-degree graduate students.

ISQA 8380 ENTERPRISE ARCHITECTURE AND SYSTEMS INTEGRATION (3 credits)
This course is designed to give students grounding in the concepts, issues, and tools needed to manage enterprise architecture, distributed systems & Internet-based environments. The goal of the course is to equip students to make the architecture and infrastructure-related decisions needed for successful development and use of contemporary client/server and Internet-based systems. Topics include middleware, architecture, XML, JSON, web services, service-oriented architecture, enterprise application integration, distributed computing services, Model View Controller (MVC) development frameworks.
Prerequisite(s)/Corequisite(s): ISQA 8310 and ISQA 8050 or equivalent; permit required.
ISQA 8400 CLINICAL SYSTEMS ARCHITECTURE AND FUNCTION (3 credits)
This course serves to integrate multiple topics into an understanding of clinical health care information system history, architecture, and design. The needs of multiple disciplines will be explored to understand how they can share, communicate, and manage patient information using clinical information standards.
Prerequisite(s)/Corequisite(s): Permission of instructor. Not open to non-degree graduate students.

ISQA 8410 DATA MANAGEMENT (3 credits)
The course provides in-depth coverage of such areas as: the relational model, SQL, data modeling, data quality management, database design, data warehousing, business intelligence, document and content management, NoSQL systems, and data governance. The course offers a mix of theoretical treatment and hands-on application. Current DBMS and data modeling software will be used.
Prerequisite(s)/Corequisite(s): ISQA 8050 or equivalent, permit only.

ISQA 8420 MANAGING THE IS FUNCTION (3 credits)
The course provides a focus on the business management implications of the information explosion. The course is organized around a management audit of the information services activity to help present and future managers recognize and implement effective information services management.
Prerequisite(s)/Corequisite(s): CIST 2100 and ISQA 8040. Not open to non-degree graduate students.

ISQA 8450 NOSQL AND BIG DATA TECHNOLOGIES (3 credits)
The course will cover topics in the area of NoSQL and Big Data management. The course is intended to get students familiarized with NoSQL and Big Data technologies, explore how these database technologies differ conceptually from traditional relational database technologies, understand their applications, uses, advantages, and disadvantages, and provide hands-on experience with NoSQL and Big Data databases. The course offers a mix of theoretical treatment and hands-on application of the discussed NoSQL and Big Data technologies.
Prerequisite(s)/Corequisite(s): Prior exposure to data management is expected. The prerequisite is: ISQA 3310, ISQA 8050, CSCI 4850, or work experience that has given you a comparable grounding in database concepts and technologies; in this case permission by the instructor is needed.

ISQA 8500 READINGS IN CLINICAL INFORMATICS (3 credits)
An overview of clinical informatics topics with readings covering history, foundation knowledge and current developments in the field. The purpose of this course is to provide integrative knowledge of theory and applications in clinical informatics. NOTE: This course is crosslisted with UNMC’s SURG 850.
Prerequisite(s)/Corequisite(s): Student must have completed all MS in IS core courses and have permission of the department to enroll in courses for the Health Informatics concentration

ISQA 8510 MANAGING USBILITY FUNCTIONS IN SYSTEMS DEVELOPMENT ORGANIZATION (3 credits)
This course deals with usability of information systems, from the perspective of organizing and managing usability functions in a systems development organization. After briefly introducing the background to system usability and usability principles, the course focuses specifically on the introduction, organization, support, management and evaluation of usability functions in systems development organizations. The role of the usability professional in the organization is emphasized.
Prerequisite(s)/Corequisite(s): Two semesters of programming or demonstrable experience and ISQA 8040 or equivalent, not open to non-degree graduate students.

ISQA 8525 GRAPHICAL USER INTERFACE DESIGN (3 credits)
This course is an introduction to interaction design with a primary emphasis on designing usable and useful computer interfaces. Students will learn the principles of interface design grounded in a fundamental understanding of human cognitive processes. They will learn how end-users develop and use mental models of interaction and will apply this knowledge to the design of interfaces for real-world applications. A design project will challenge students to plan their own designs, to develop interfaces and to integrate them into a working application prototype, to test their application with real users, and to effectively communicate the overall results. (Cross-listed with ISQA 3520)
Prerequisite(s)/Corequisite(s): CIST 1300

ISQA 8530 E-COMMERCE SECURITY (3 credits)
The course will integrate concepts, principles, and technologies from business, telecommunications, and computer science to identify, understand, and propose solutions to the security threats to e-commerce.
Prerequisite(s)/Corequisite(s): CIST 2100 and ISQA 8310. Not open to non-degree graduate students.

ISQA 8540 COMPUTER SECURITY MANAGEMENT (3 credits)
The course focuses on security management concepts and skills to address security issues in the context of the progression of technology, shifting threats, and changing threats. The course integrates the knowledge and skills necessary for a career in computer security management.
Prerequisite(s)/Corequisite(s): Permission of instructor. Not open to non-degree graduate students.

ISQA 8560 INFORMATION WARFARE AND SECURITY (3 credits)
This course will study the nature of information warfare, including computer crime and information terrorism, as it relates to international, national, economic, organizational, and personal security. Information warfare policy and ethical issues will be examined.
Prerequisite(s)/Corequisite(s): CIST 2100 or BSAD 8030, or permission of instructor required.

ISQA 8570 INFORMATION SECURITY POLICY AND ETHICS (3 credits)
The course will cover the development and need for information security policies, issues regarding privacy, and the application of computer ethics. (Cross-listed with IASC 8570)
Prerequisite(s)/Corequisite(s): CIST 2100 or BSAD 8030, or permission of instructor.

ISQA 8580 SECURITY RISK MANAGEMENT AND ASSESSMENT (3 credits)
The purpose of this course is to prepare the student for managing information security at the organizational level. This course will combine concepts from strategic management, decision science and risk analysis to prepare the student to integrate security issues into organizational strategic planning process.
Prerequisite(s)/Corequisite(s): ISQA 8060 and ISQA 8546 or equivalents, not open to non-degree graduate students.

ISQA 8596 IT AUDIT AND CONTROL (3 credits)
This course explores organizational and managerial issues relevant to planning and conducting IT audit and control activities. The course covers the following conceptual areas: business risks and the management of business risk, IT risk as a component of business risk, the need to manage IT risks, and the basic type of controls required in a business system in order to control IT risks. Issues associated with new risks created by the use of the internet for business applications and electronic business are also covered. (Cross-listed with ISQA 4590)
Prerequisite(s)/Corequisite(s): A solid understanding of business foundations such as accounting and introductory auditing and exposure to the IS discipline is essential for success in this course. Permission of instructor is required to enroll.
ISQA 8700 DATA MINING: THEORY AND PRACTICE (3 credits)
This course provides students theoretical issues as well as practical methods for conducting data mining process, including the implementation of a warehouse. After covering the essential concepts, issues, techniques to build an effective data warehouse, this course emphasizes the various techniques of data mining, such as association, classification, clustering and prediction for on-line analyses within the framework of data warehouse architectures. This course also promotes students to conduct a real-life data analyzing project in Big Data Era.
Prerequisite(s)/Corequisite(s): ISQA 8050 and ISQA 8310 and ISQA 8040, not open to non-degree graduate students.

ISQA 8736 DECISION SUPPORT SYSTEMS (3 credits)
This course examines a set of information systems which specifically support managerial decision makers: Decision Support Systems, Group Decision Support Systems, Executive Information Systems, Data Warehouses, Expert Systems, and Neural Networks. This course explores the development, implementation, and application of these systems, how these systems can be applied to current business problems, as well as how organizational issues impact the implementation and usage of these systems. (Cross-listed with ISQA 4730)
Prerequisite(s)/Corequisite(s): CIST 2100 or equivalent.

ISQA 8810 INFORM TECHNOLOGY PROJECT FUNDAMENTALS (3 credits)
The course will integrate concepts and techniques from management science, psychology, organizational behavior, & administration change to identify, understand & propose solutions to the problems of project management. The purpose of the course is to prepare the graduate for project participation and leadership.
Prerequisite(s)/Corequisite(s): CIST 2100 and ISQA 8040. Not open to non-degree graduate students.

ISQA 8820 PROJECT RISK MANAGEMENT (3 credits)
This course will cover project risk management, i.e., the process of measuring or assessing risk in projects and then developing strategies to manage the risk. The topics covered will include: Risk Management Planning, Risk Identification, Quantitative Risk Analysis, Qualitative Risk Analysis, Risk Response Planning, and Risk Monitoring and Control will be covered in detail. Students will learn how to apply and use the tools and techniques needed to perform these project management tasks. A collection of readings on risk management from the empirical literature coupled with risk management standards from organizations such as IEEE and the Project Management Institute (PMI) will be used to provide the student with an excellent foundation in risk management and control.
Prerequisite(s)/Corequisite(s): ISQA 8810 or permission of instructor.

ISQA 8900 INDEPENDENT RESEARCH IN MANAGEMENT INFORMATION SYSTEMS (1-3 credits)
The content of the course will vary. However, both the student and the faculty member must sign an Independent Research Agreement and file it with the Master of Science in Management Information Systems Graduate Program Committee before registration for the course. This agreement will detail the project, the schedule for its completion, the form of the output, the method of evaluation and other relevant information pertaining to the project.
Prerequisite(s)/Corequisite(s): Permission of instructor, and at least 12 hours of course work toward a M.S. in MIS should be completed.

ISQA 8910 INFORMATION SYSTEMS INTERNSHIP (1-3 credits)
Information Systems Internship provides students with an opportunity for practical application and further development of knowledge and skills acquired in the MS MIS degree program. The internship gives students professional work experience and exposure to the challenges and opportunities faced by IT professionals in the workplace.
Prerequisite(s)/Corequisite(s): Permission of the instructor required. Students must have completed a minimum of 12 credit hours towards the MS MIS program. Not open to non-degree graduate students.

ISQA 8950 CAPSTONE MANAGEMENT INFORMATION SYSTEMS (3 credits)
The course consists of a student executed Information Systems design project providing an in-depth practical experience. It typically covers system conceptualization, analysis, and design. It may also involve prototyping. The project will typically not include the actual implementation of the system. This course replaces the MS in MIS comprehensive exam requirement.
Prerequisite(s)/Corequisite(s): Students must have 6 credit hours or fewer left in the program. Students must have completed all core classes except ISQA 8380. Not open to non-degree graduate students.

ISQA 8990 THESIS (3 credits)
A research project designed and executed under supervision of a Thesis Advisory Committee. Student will develop skills, including the ability to design, conduct, analyze, and report results in writing (i.e., thesis) of original, independent, scientific investigation. Student's Thesis Advisory Committee must approve the project plan.
Prerequisite(s)/Corequisite(s): Graduate major in MIS and approval of the Thesis Advisory Committee. Not open to non-degree graduate students.

ISQA 9010 FOUNDATIONS OF INFORMATION SYSTEMS RESEARCH (3 credits)
This course covers the following areas: (1) information systems as an academic discipline including classic readings in IS and its reference disciplines, (2) theory development and evaluation, (3) research methods applicability in IS.
Prerequisite(s)/Corequisite(s): Doctoral student standing in the information systems areas or with the permission of the instructor; ISQA 8060 or equivalent. Not open to non-degree graduate students.

ISQA 9020 TECHNICAL AND PROCESS ISSUES IN INFORMATION SYSTEMS RESEARCH (3 credits)
This seminar is a survey course on the technical and process issues in information systems research. The course balances the acquisition of knowledge about the conduct of research in technical and process issues with the application of that knowledge to research on information systems. Major topics include: software engineering, programming, data base systems, decision support systems, data warehousing and mining systems, object-oriented systems, adaptive and expert systems, client-service systems, information filtering and multimedia systems, information agents, mobile computing, telecommunications, and electronic commerce.
Prerequisite(s)/Corequisite(s): Doctoral student standing in the information systems area or with the permission of the instructor; ISQA 9010 is recommended. Not open to non-degree graduate students.

ISQA 9030 BEHAVIORAL AND ORGANIZATIONAL ISSUES IN INFORMATION SYSTEMS (3 credits)
This seminar is a survey course on the behavioral and organizational issues in information systems research. The course balances the acquisition of knowledge about the conduct of research in behavioral and organizational issues with the application of that knowledge to research on information systems. Major topics include: foundations of behavioral and organizational research in Information Systems; general research on systems design and problem solving; cognitive perspectives; decision making processes; human aspects of computing; computer-mediated communication; systems development; IS implementation; organizational change; organizational structure and new forms; information systems adoption; management of the information systems function; social, cultural, and ethical issues in information systems; and project management.
Prerequisite(s)/Corequisite(s): Doctoral student standing in the information systems area or with the permission of the instructor; ISQA 9010 is recommended. Not open to non-degree graduate students.
ISQA 9120 APPLIED EXPERIMENTAL DESIGN AND ANALYSIS (3 credits)
Constructing and analyzing designs for experimental investigations; completely randomized, randomized complete block and Latin-square designs, split-plot designs, incomplete block designs, confounded factorial designs, nested designs, and treatment of missing data, comparison of designs. The course will use computer-assisted analysis and graphic techniques included in software such as SAS or SPSS.
Prerequisite(s)/Corequisite(s): ISQA 4150 or ISQA 8156 or consent of instructor. Not open to non-degree graduate students.

ISQA 9130 APPLIED MULTIVARIATE ANALYSIS (3 credits)
The use of multivariate analysis for solving business problems. MANOVA, factor, cluster, and discriminant analysis techniques in IT research. The course will use computer-assisted analysis and graphic techniques included in software such as SAS or SPSS.
Prerequisite(s)/Corequisite(s): ISQA 4150 or ISQA 8156 or consent of instructor. Not open to non-degree graduate students.

ISQA 9150 RESEARCH IN INFORMATION TECHNOLOGY FOR DEVELOPMENT (3 credits)
Information Technology for Development (ITD) is the implementation and evaluation of information technology infrastructures to stimulate economic, social and human development. In this course, students will learn and apply ITD concepts for developing and adding value through IT by working with small business entrepreneurs in Omaha or rural Nebraska. Students will evaluate micro-business technology needs, prepare business technology plans, provide training, and implement appropriate solutions, to the extent possible within a semester class.
Prerequisite(s)/Corequisite(s): Permission of the instructor. Not open to non-degree graduate students.

ISQA 9900 SEMINAR IN COMMUNICATION & TECHNOLOGY (3 credits)
A synthesis of speech and mass communication research as it relates to the study of computers and technology. Computer Mediated Communication (CMC) will be emphasized. Students write a research paper appropriate for submission to an academic conference. (Cross-listed with COMM 9400)
Prerequisite(s)/Corequisite(s): COMM 8470 or COMM 8570, and COMM 8010 or COMM 8020, or permission of instructor.