MANAGEMENT & SYSTEMS
MA/GC (MASY1-GC)

MASY1-GC 1006 Information Technology (4 Credits)
Typically offered not typically offered
This course introduces the role of information technology in supporting organizational decision making and strategic planning. Topics include: the role of information within organizations; overview of modern hardware and software platforms; systems development architectures; process; data and network; owner and user roles in systems analysis and design; and technology impacts on corporate competitiveness, structure and control.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1110 Database Management (4 Credits)
Typically offered not typically offered
This course provides a working knowledge of the logical structure and physical implementation of database management systems. Topics include: data structure concepts; the application of data models and data normalization; input and output design considerations; data administration; and client/server and distributed database systems.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1180 Electronic Commerce (4 Credits)
Typically offered not typically offered
This course examines the impact of emerging information technologies on how business will be conducted in the wired world of the Internet. Topics include: E-Commerce business models; hardware and software components of commerce-enabled Web sites; copyright, authentication and security issues; online payment strategies and technologies; and impacts of evolving market-spaces on the traditional marketplace.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1200 Managing in a Global Economy (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course examines three facets of a modern economy, markets, government, and international trade, and explores the connections among them. The course covers economic principles that power global businesses and organizations today and discusses how modern economies, markets and governments are no longer contained within national boundaries. Upon completion of this course, students learn how a market-based economy operates in today's global environment.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1210 Quantitative Models for Decision-Makers (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course prepares students to analyze operational and strategic business situations and select appropriate and optimal courses of action. Using quantitative tools, students learn to analyze the firm's operation, employ sound critical decision making to initiate appropriate action and move the organization to creative problem solving. This course provides students with the tools and techniques required to manage these processes efficiently and make decisions effectively.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1220 Financial Management (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course covers current financial and managerial accounting methods and their function within the information system of decision making. Topics include accounting theory and concepts, financial statement analysis as well as financial analysis for evaluation and decision-making. The course also focuses on capital investment analysis, financial models, and the legal ramifications of technological advances in the finance industry. Students learn to apply financial management principles, techniques, and best practices to analyze a firm's finances. The course prepares students to study financial risk management and entrepreneurship.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1230 Strategic Marketing (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course provides a thorough understanding of the strategic marketing process, from analyzing customer needs, to developing products and services, integrated communications, taking them to market, order fulfillment, and successfully managing customer relationships. Topics include the marketing mix and the holistic marketing concept, marketing research and forecasting, environmental analysis, market segmentation, customer relationship management, brand equity, managing marketing programs, integrated marketing communications, online marketing, and return on marketing investments. In this course, students explore and analyze marketing strategies that are integrated across the organization and its customer touch points, the communications mix across distribution channels, and the customer lifecycle. They also learn how to optimize the core processes of the value chain, analyze the competitive environment, develop and execute an integrated marketing communications mix, and formulate and implement marketing strategies for acquiring and retaining customers.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1240 Information Technology & Data Analytics (3 Credits)
Typically offered Fall, Spring, and Summer terms
In this course, the organization is examined as a system, and the roles of information and computers are explored to facilitate the specification, development, implementation and maintenance of information technology for supporting organization decision-making and strategic planning in today's information age. Students apply the information management principles, techniques, and best practices to analyze and manage an organization's information technology activities. The course examines the role of information within organizations, provides an overview of modern hardware and software platforms and systems development architectures and introduces students to e-commerce databases and data warehouses. It also covers computer crime and forensics and how people and information can be protected through information security and privacy.
Grading: GC SCPS Graded
Repeatable for additional credit: No
MASY1-GC 1245  Project Management in the Information Age I  (3 Credits)
Typically offered not typically offered
This course explores the methodologies, technologies, and techniques for managing projects in an information technology environment. In addition to case studies and project management tools, students participate in a simulation that runs concurrently throughout the course. Upon completion, students will be able to define a business problem, plan the delivery of a solution for that problem and manage the quality completion of those deliverables.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1250  Project Management in The Information Age  (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course covers the fundamentals of project management and explores the methodologies and techniques for managing technological projects. Throughout this course, students learn to define a business problem, plan the delivery of a solution for that problem, and manage the quality completion of the project deliverables. The course prepares students to plan and manage organizational technology-related projects by applying various project management techniques effectively.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1255  Project Management in the Information Age II  (3 Credits)
Typically offered not typically offered
This is the introduces topics including the role of the Project Manager, the role of the PMO office and advanced topics in enterprise project management including Agile Project Management and managing complex change. This course also introduces topics to help prepare students who desire to pursue the PMI certification.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1260  Research Process & Methodology  (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course prepares students with the required research skills necessary to successfully conceptualize a research topic and to subsequently develop a proposal to research the topic. Students learn to conduct a literature review, develop a theoretical framework, develop analytical research questions or hypothesis, identify data collection methods, and prepare to analyze and interpret research findings. This course affords students the opportunity to thoroughly explore a specific business topic, as it relates to their area of study and/or professional field, and develop a formal research proposal based on that topic.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1900  Research Project  (3 Credits)
Typically offered not typically offered
The student will be introduced to the research methodology, standards, techniques and writing requirements for producing a quality Masters Thesis. The student then develops a proposal for researching a topic in a field of interest in the technology industry and upon approval works with a qualified faculty member to research and write up the topic. The finished thesis must demonstrate the student's ability to conduct comprehensive research and articulate original ideas and thought processes that make a contribution to the existing body of knowledge. Students MUST consult with their Advisor prior to registering for the Research Project. taken during the second year.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 1901  Research Project Part II Thesis Write-Up  (3 Credits)
Typically offered not typically offered
The student registers for the Thesis Seminar in which he/she is introduced to the research methodology, standards, techniques and writing requirements for producing a quality Masters Thesis. The student then develops a proposal for researching a topic in a field of interest in the technology industry. Upon completion of the seminar and approval of the proposal the student works with a qualified faculty member to research and write up the topic. The finished thesis must demonstrate the student's ability to conduct comprehensive research and articulate original ideas and thought processes that make a contribution to the existing body of knowledge. All final papers must be of an academic and research standard that is consistent with the requirements of current journals and publications. In order to successfully complete the project, your advisor, one other reader from either academe or industry, and the department must approve your thesis. Students may only commence the Research Project during their second year of study and they MUST have Advisor approval prior to registering for the thesis seminar. Note: Students may register for Y52.1900 and Y52.1901 either consecutively or simultaneously.
Grading: GC SCPS Pass/Fail
Repeatable for additional credit: No

MASY1-GC 3015  Information Architecture  (3 Credits)
Typically offered not typically offered
Information Architecture (or IA) is a relatively new and evolving discipline of establishing navigation, functionality, information hierarchies and organization for large-scale websites. There is an ever-growing demand for more IA experts in web production. In layman's terms, IA solves websites. They provide the fundamentals of the site; yet also play a unique strategic role in how information is presented to the user. They are the user's champion yet must work diplomatically with both client and team
Grading: GC SCPS Graded
Repeatable for additional credit: No
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<th>Course Code</th>
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<td>MASY1-GC 3020</td>
<td>Enterprise Risk: Assessment &amp; Mitigation (3 Credits)</td>
<td>Fall, Spring, and Summer</td>
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<td>MASY1-GC 3025</td>
<td>Internet Business Models and Strategies (3 Credits)</td>
<td>Fall not typically offered</td>
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<td>MASY1-GC 3200</td>
<td>Database Management (3 Credits)</td>
<td>Fall not typically offered</td>
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<td>MASY1-GC 3205</td>
<td>Network Administration (3 Credits)</td>
<td>Fall not typically offered</td>
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<td>MASY1-GC 3210</td>
<td>Systems Development &amp; Analysis (3 Credits)</td>
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<td>MASY1-GC 3215</td>
<td>Information Systems Auditing (3 Credits)</td>
<td>Spring</td>
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<td>MASY1-GC 3220</td>
<td>Information Security Management (3 Credits)</td>
<td>Fall</td>
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<td>MASY1-GC 3225</td>
<td>Adv Tpcs in Sys Mgmt: Auto Mgmt &amp; The Semantic</td>
<td>Fall and Spring</td>
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<td>MASY1-GC 3245</td>
<td>Application, Architecture Design, &amp; Development (3 Credits)</td>
<td>Fall and Spring</td>
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MASY1-GC 3250  Enterprise Application Integration  (3 Credits)
Typically offered Fall
This course addresses some of the major technology issues facing enterprises today, namely how to manage the integration of disparate data and applications that are resident on diverse platforms, owned by different business units, and residing in widely separated locations. Students learn the techniques of Enterprise Application Integration, work with structured and unstructured data sources, and build applications integrated across disparate data sets. They also learn to use enterprise application integration development tools and techniques. The course covers data federation, service oriented architectures (SOA) and go to The course covers the elements of information management, providing applications and business process access to structured and unstructured data; structured and unstructured data integration tools, extract-transform-load, replication, data federation; operational and dimensional data; well-managed information; levels of service; metrics and controls; service oriented architecture; propagating data and executing business processes across the enterprise network.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3300  Technology Team Leadership  (3 Credits)
Typically offered Fall and Spring
This course introduces students to a a set of tools and practices to set up, run, evaluate, and continuously improve technology teams. Students learn how to build teams, improve teamwork and collaboration, and sustain team performance through continuous learning and improvement. The course covers best practices for composing a team and aligning individual and team goals, establishing roles, building structures, and managing decision making so that teams can excel. Students learn to manage critical team processes such as conflict resolution and harness the productive potential of teams while mitigating the risks associated with teamwork.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3305  Knowledge Management  (3 Credits)
Typically offered Spring
This course aims to provide students with the opportunity to explore current issues affecting the creation and management of business knowledge in the information age. It involves a review of the theory and practice of Knowledge Management (KM) in relation to the current social, organizational, and industrial environments. Taking an organizational learning-centric approach, this course emphasizes the continuous acquisition and application of knowledge. It also introduces students to the impact of KM issues in resolving problems and taking advantage of opportunities. Students practice knowledge management by researching the KM literature, developing a knowledge repository, evaluating the knowledge created, and publishing the information to a website. In this course, students experience the creation of a community of KM practice and maximize the experience of cooperation, knowledge creation, and trust in the learning environment.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3310  Strategic Management of Technological Innovation  (3 Credits)
Typically offered Fall and Spring
This course prepares students to meet the demands of strategic planning in a technology-driven organization. It addresses optimizing the R&D (Research and Development) cycle, smooth transition from design to production, innovation streams, and integration of technology with business strategy. Focusing on case studies, students learn real-world technology decision-making strategies, including allocation of resources, managing complex technology initiatives, and management of technology teams. The course examines the role technological innovations play in the competitive dynamics of industries and the use of metrics to evaluate new product effectiveness and innovation performance. Students create individual proposals for applications of technological innovations to address business needs.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3315  Management of Emerging Technologies  (3 Credits)
Typically offered not typically offered
This course gives an in depth understanding of the issues of managing in a technological environment. Issues covered include organizational structures, human resource issues, organization cultures, and implementation strategies. The course covers the management issues related to managing various functions including research and development, marketing, operations, and management. The course uses readings, cases, discussion boards, and chat sessions. Students are required to prepare case write-ups, and write one project in which they design a start-up technology organization.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3320  Advanced Topics in Knowledge Management  (3 Credits)
Typically offered not typically offered
Container course offered periodically that will provide the student with the opportunity to explore current issues affecting the manager of knowledge workers in the information age.
Grading: GC SCPS Graded
Repeatable for additional credit: No
MASY1-GC 3325 Business Strategy & Ethics (3 Credits)
Typically offered Fall
This course introduces students to classic strategy paradigms such as differentiation, brand creation, core competency expertise, speed to market, and value migration and leadership in cost reduction. Students evaluate the strategic value of technology-driven business change initiative. Students learn to analyze competitive forces and the value chain and make recommendations for change in organization goals. They also create a plan of action, integrating marketing, human resources, organizational design, finance, and information technology, that includes the business case and a business plan. The course examines ethical dilemmas that confront managers due to advances in technology, greater access to information, and more collaborative ventures that break down traditional proprietary boundaries.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3330 Managing Complex Change Initiatives (3 Credits)
Typically offered Spring and Summer
The focus of this course is to manage change and recognize how individuals, teams, and organizations do so. The course explores structural, process, technological, and human change dynamics. Students examine cases from small and large companies that have implemented change strategies. Students learn to apply organizational development/change models and theories and to use readiness and assessment tools for self, individual, and organizational audit. They also develop metrics to benchmark progress and competencies, to identify complacency conflicts, to successfully leverage change, and to foster positive attitudes among workplace professionals toward change.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3335 Strategic Communications (3 Credits)
Typically offered Fall
A vital function of any professional is to be able to communicate accurately and effectively. This course will focus on interdisciplinary activities including strategic communications planning, crisis avoidance and crisis communications planning, and an overview of Integrated Communications. Students will learn how to approach one of the most difficult tasks facing corporate communicators today: how to pull together all the internal and external communications initiatives, from press releases to advertising, that impact various constituencies in terms of their awareness, attitudes and behavior. Governance and disclosure principles are overviewed. This is a highly practical course that begins with an evaluation of student-submitted writing samples and a benchmark oral presentation. Students will learn and practice proven techniques for writing e-mails, memoranda and policy documents. In addition, they will learn, practice and integrate the key components of making powerful and persuasive oral presentations. Key topics for oral presentations include body energy (stance, posture, eye contact and gestures), vocal energy (voice volume, pace and voice inflection) and content (message text and use of visual aides such as graphs, charts and slides). Key topics for written communications include developing your personal tone and style, planning and organizing your written message, identifying and clarifying the strategic message, creating sentences that are clear and readable, and reviewing and editing your writing. Upon successful completion of this course, students should be able to focus on the key strategic message; manage work and business relationships using the written word; write in clear language; and make the writing process faster and more comfortable. In addition, students will be able to design, create and deliver oral presentations to a small group and manage the ensuing question and answer session.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3400 I-Commerce (3 Credits)
Typically offered not typically offered
This course introduces the role of information technology in supporting organization decision-making and strategic planning for conducting business in a click and mortar world. Topics include: electronic commerce; hardware and software components of commerce-enabled Web sites; the impact of the internet on corporate strategies; online payment strategies; and the integration of traditional business fundamentals with the realities of today's virtual economy.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3405 Customer Centric Mgmt Strategies (3 Credits)
Typically offered not typically offered
This course is intended for individual with a basic background in marketing: database direct and other disciplines of traditional offline - online marketing. A basic knowledge of the Internet and how it interfaces with other marketing channels would be useful to grasping the practical approaches that will be presented in this course. The course covers topics such as why marketing organizations require a CRM strategy, how to develop a CRM strategy, an assessment of CRM today, CRM technologies, and integration into existing business models. Students will work with interactive sessions and projects (forming project teams if possible) and will complete the course with knowledge and skills applicable to their professional experience.
Grading: GC SCPS Graded
Repeatable for additional credit: No
MASY1-GC 3410  E-Business Structures  (3 Credits)  
Typically offered not typically offered  
This course provides the student with the opportunity to learn the technical concepts and architectural structure of electronic business. The course will focus on business networks and internetworking; internet application protocols and concepts; electronic data interchange, advanced internet tools for electronic commerce, techniques and trouble shooting of distributing information goods, security, payment schemes, and database considerations.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3500  Database Design & Management  (3 Credits)  
Typically offered Fall, Spring, and Summer terms  
This is an introductory course for database management systems and applications. It presents concepts, methodologies, and techniques important for database analysis, design, implementation, and management. The course focuses on the logical, conceptual and physical implementation of relational database management systems so that students can assimilate a basic knowledge of database design as it relates to business rules. The course utilizes a combination of lectures, hands-on computer exercises, examples from Oracle and other leading databases, and real-world database projects to accomplish the learning process.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3505  Data Process and Structure  (3 Credits)  
Typically offered Spring  
This course examines database models from a managerial perspective with an in-depth focus on business data requirements, operational rules, procedures, and logical structure. The course covers relational algebra and calculus, SQL queries, and business rules; database applications and Internet applications; indexing, disks and files; query evaluation; external sorting, evaluating relational operators; the query optimizer; transactional management and concurrency control; and data recovery. Students research and present real-world scenarios; develop automated business process solutions through evaluation and discussion to gain a comprehensive knowledge and understanding of data process and structures, database design, and database management.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3510  Data Mining and Data Warehousing  (3 Credits)  
Typically offered Fall, Spring, and Summer terms  
In an increasingly competitive information age, data mining and data warehousing are essential in business decision-making. This course teaches students concepts, methods and skills for working with data warehouses and mining data from these warehouses to optimize competitive business strategy. In this course, students develop analytical thinking skills required to identify effective data warehousing strategies such as when to use outsource or in-source data services. Students also learn to Extract, Transform and Load data into data warehouses (the ETL process) and use the CRISP approach to data mining to extract vital information for data warehouses. The course also teaches students how to secure data and covers the ethical issues associated with the uses of data and data models for business decisions.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3515  Application Servers  (3 Credits)  
Typically offered not typically offered  
The Database Application Server resides in the middle tier of an information system, and is an area of IT that is currently in high demand. Application Servers handle the processes in an application environment and improve system performance by reducing network traffic and increasing speed. Upon the completion of this course, students will be familiar with functions and techniques of the data application server, and be comfortable with working in an application server environment.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3520  Database Applications  (3 Credits)  
Typically offered occasionally  
This course introduces a variety of databases and database technologies. It covers the theory, techniques, and technologies that facilitate utilizing these technologies to enable complex data-driven applications. The course includes the basic concepts and skill sets of Sybase, SQL server, DB2, and Oracle, and compares and contrasts the facilities, options, and syntaxes available in each platform. Students learn how to make appropriate business decisions when considering choices among multiple database and database technology options in order to satisfy real-world business and technology considerations and how to create database applications to fulfill business requirements.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3525  Advanced Database Applications  (3 Credits)  
Typically offered Spring  
This course focuses on database language to prepare application developers and system integrators with knowledge of basic relational concepts. The course covers the important features of advanced RDBMS with Internet-oriented, object-relational database features including PL/SQL program tracing and tuning. Students design, develop, and implement advanced relational databases and use those databases for transaction processing, report generation, and queries.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No  

MASY1-GC 3530  Object-Oriented Systems Design  (3 Credits)  
Typically offered Summer term  
This course addresses the concepts, skills, methodologies, techniques, tools and perspectives essential for project managers, system analysts, business analysts and designers to successfully develop information systems in the object-oriented context. The course presents the concepts of the object-oriented approach and describes a systems development life-cycle framework that is applicable to the analysis and design of object-oriented application systems. Students learn to analyze IT system structures, model information processes, and design/redesign IT systems using object-oriented tools.  
Grading: GC SCPS Graded  
Repeatable for additional credit: No
MASY1-GC 3535 Management of The Enterprise (3 Credits)
Typically offered not typically offered
This course is a high-level managerial course. Integrating information, technology and people to manage an enterprise is the predominant challenge facing many businesses. This course takes existing managerial concepts, tools and basic skills and, using industry case studies, develops them into totally integrated techniques ready to answer the demands facing organizations in the new millennium. Upon completion of this course, students are expected to have a strong command of the salient topics in enterprise resource management, knowledge management and customer relationship management.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3540 Database Technologies for Web Applications (3 Credits)
Typically offered Fall
This course examines critical database and related applications technologies that enable web-based applications for e-commerce in its many variations. It also provides an in-depth study of using database technologies in the context of the Internet, including Oracle, open source variations such as MySQL, and the role of related scripting languages such as PHP. Students are introduced to theory and practice involved in dynamic, database driven web-sites that are controlled using CSS and other web-enabling artifacts. The course covers the features of page scripting languages, presents the database options available for the web-based applications, and explains how these can be combined with each other and with additional web-based tools to create effective web-based applications.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3600 Operational & Financial Risk Analysis (3 Credits)
Typically offered Fall and Spring
Today's business environment requires a far more complex Asset Liability Management (ALM) structure to help quantify and manage risk. This course provides an introduction to what risk management means from a business perspective that employs risk management products and from the perspective of the insurance industry. Throughout the course, students learn the fundamental financial tools and techniques necessary to be an effective risk manager in the insurance industry. They also learn the fundamental concepts of financial products including both cash products and their respective derivatives, asset liability management, and actuarial sciences as well as the operational, legal and regulatory issues that affect the insurance industry.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3605 Financial Services & Trading Institutions (3 Credits)
Typically offered Fall and Spring
This course introduces and analyzes the techniques and tools of financial risk management in the context of market, credit and operational risks for financial services firms and trading institutions including sell-side investment banks and buy side firms such as asset managers and hedge funds. Students learn the fundamental financial tools and techniques necessary to be an effective risk manager. The course covers the absolute and relative valuation of financial instruments using accounting and financial information, the time value of money, risk and return characteristics of financial products, risk management terms and techniques, and operational risk management, key risk measurement metrics P&L attribution, Value at Risk (VaR), and the operational risk issues and their impact on financial and trading institutions.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3610 Enterprise Ethics & Sustainability (3 Credits)
Typically offered Fall
This course will provide an overview of the broad range of Ethical Risks inherent with the explosive growth of the global economy. The core focus of the class is in defining, discussing, and addressing the unique regulatory, cultural, and personal ethical dilemmas confronted by managers in the world economy of the twenty first century. Many nuances and realities of formal (regulatory), global (cultural), and personal ethical risks will be presented for discussion and debate. Case study examples will be addressed, including but not limited to, Lockheed, MCI, the Cuban Embargo, the South African and Israeli trade embargoes, and the Iraq oil for food embargoes. Postulation of example risks will be offered as stimulation for the student?'s individual development of avoidance and/or resolution methodologies. Formal and informal student classroom interaction will be crucial to stimulating the sharing of actual day to day business related ethical dilemmas. Classroom discussions will provide the baselines for identifying potential ethical conflicts that can be faced by managers as they manage cross-border, cross cultural and multi-ethnic organizations. Development of possible resolutions will be proposed, dissected, evaluated and debated, within the parameters of both experienced and theoretical, ethically conflicting business situations. Upon successful completion of this course, students will have gained a broad understanding of the existence of Ethical Risks, (regulatory, global and personal), in business, the skills with which to evaluate the impact of conflicting ethics on the geopolitical landscape, and a solid foundation for recognizing the need for both personal awareness of, and adjustment to, ethical risks in a global economy.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 3615 Crisis Management & Business Continuity (3 Credits)
Typically offered Fall, Spring, and Summer terms
This course focuses on the business decisions and management processes necessary to anticipate, plan for, manage, communicate about, and recover from crises affecting corporations and other complex organizations. It covers the key component steps for the development of a corporate Business Continuity Plan as a vital part of the day to day operations of enterprises. Additionally, the course examines the way companies in distress, and the constituencies who matter to those companies, predictably behave during crises. Students learn that crisis management is an ongoing process and learn to establish enterprise crisis training. They also create emergency preparedness and response plans such as mitigating hazards, executing crisis communication strategies, and managing business recovery and continuity.
Grading: GC SCPS Graded
Repeatable for additional credit: No
MASY1-GC 3910 Internship (3 Credits)
Typically offered Fall, Spring, and Summer terms
Internships provide students with the opportunity to acquire professional experience and add a real-world perspective to their studies. The course consists of on-site work at a corporation, nonprofit or governmental organization, educational institution, or small and medium-sized company that provides an educational experience for the student, under faculty supervision. Students apply the knowledge acquired through their coursework to industry practice and explore career options. This course has GPA and credit completion requirements.
Grading: GC SCPS Graded
Repeatable for additional credit: Yes

MASY1-GC 4000 Research Project: Thesis (3 Credits)
Typically offered Fall, Spring, and Summer terms
Upon approval of a proposal the student works with a qualified faculty member to research and write up a thesis on a topic in his/her selected concentration area. The finished thesis must demonstrate the student’s ability to conduct comprehensive research and articulate original ideas and thought processes that make a practical contribution to the existing body of knowledge in the fields of management and systems. All final papers must be of an academic and research standard that is consistent with the requirements of current journals and publications. In order to successfully complete the project, the student’s supervisor, one other reader from either academe or industry, and the department must approve the thesis.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 4100 Applied Project (3 Credits)
Typically offered Fall, Spring, and Summer terms
Where academically warranted and subject to departmental approval, the student will undertake and deliver a real-world project for active practitioners in the field. Under the direction of a faculty supervisor, the student will select and explore a topic to be developed. The student will then be required to generate a practical application of his/her findings that demonstrates professional level mastery of the subject matter involved. The project will be reviewed by the faculty supervisor and one other expert in the field.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 4200 Innovation & Entrepreneurship (3 Credits)
Typically offered Fall, Spring, and Summer terms
Innovation and entrepreneurship can significantly impact the success of every business. Innovative thinking requires the initiation of an idea and converting it to a viable business initiative. An entrepreneur needs to plan for every business function including, but not limited to planning, staffing, fundraising, marketing, and assuring sound financial practices and reporting. This course teaches students how to develop a structured business plan using entrepreneurial best-practices to integrate their innovative concept and capitalize on their opportunity.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 4500 Information & Interface Design (3 Credits)
Typically offered not typically offered
Unlike print, material published electronically is dynamic and includes links that pull new information on to the screen. These hyperlinks add new dimension to publishing, that of controlling the experience of users as they navigate through the site. This course covers the theory and application of techniques used in online publishing, specifically those used on the Web, with an emphasis on site architecture, usability, and interface design. The result - a Website, CD-ROM, or software application ? that meets the needs of end users. Learn to ensure that sites deliver maximum value to the visitor by offering a deceptively simple yet consistently rewarding experience. Prerequisite: This is not a lab course, although some familiarity with creating website is helpful.
Grading: GC SCPS Graded
Repeatable for additional credit: No

MASY1-GC 5000 Special Topics: (3 Credits)
Typically offered Fall and Spring
This seminar will enhance curriculum by identification, analysis and application of special topics pertinent to the Management and Systems degree. The specific titles and content of each seminar will change to reflect emerging areas of interest, which can only be determined at the time of offering. The course may be used to satisfy the elective degree requirement. Applicability to specific concentrations will be noted in the course schedule and is at the department’s discretion.
Grading: GC SCPS Graded
Repeatable for additional credit: Yes