DEPARTMENT OF INFORMATION AND OPERATIONS MANAGEMENT

The Department of Information and Operations Management offers two undergraduate degrees: a BBA degree in Management Information Systems (MISY) and a BBA degree in Supply Chain Management (SCMT). In each degree program, students learn how to use technology to make businesses more efficient, effective, and competitive. Coursework includes both the technical and managerial aspects of MISY and SCMT to ensure that students are well-equipped for successful careers in the dynamic, global business environment.

A list of recommended courses for each degree is available from the Department of Information and Operations Management undergraduate advisors (Room 330, Wehner Building).

Faculty

Abbey, James D, Assistant Professor
Information & Operations Mgmt
PHD, The Pennsylvania State University, 2013

Agrawal, Anupam, Associate Professor
Information & Operations Mgmt
PHD, INSEAD France, 2008

Alexandar Angelus, Assistant Professor
Information & Operations Mgmt
PHD, Stanford University, 1997

Arreola-Risa, Antonio, Associate Professor
Information & Operations Mgmt
PHD, Stanford University, 1989

Becker, Aaron C, Clinical Assistant Professor
Information & Operations Mgmt
PHD, University of Oklahoma, 2009

Boone, Edward F, Lecturer
Information & Operations Mgmt
MS, The Pennsylvania State University, 2000
MBA, University of Delaware, 1994

Curtsinger, Wanda F, Lecturer
Information & Operations Mgmt
PHD, Morehead State University, 2007

Darcey, Louise W, Senior Lecturer
Information & Operations Mgmt
PHD, Texas A&M University, 1974

David Gomillion, Clinical Assistant Professor
Information & Operations Mgmt
PHD, Florida State University, 2013

Geismar, Harry N, Associate Professor
Information & Operations Mgmt
PHD, The University of Texas at Dallas, 2003

Heim, Gregory R, Associate Professor
Information & Operations Mgmt
PHD, University of Minnesota, Twin Cities, 2000

Jamieson, Thomas V, Executive Professor
Information & Operations Mgmt
PHD, Texas A&M University, 1978

Jasperson, Jon L, Clinical Professor
Information & Operations Mgmt
PHD, Florida State University, 1999

Johnson, Robert E, Clinical Associate Professor
Information & Operations Mgmt
PHD, University of Rochester, 1989

Ketzenberg, Michael E, Associate Professor
Information & Operations Mgmt
PHD, University of North Carolina at Chapel Hill, 2000

Koufteros, Xenophon, Professor
Information & Operations Mgmt
PHD, University of Toledo, 1995

Kumar, Subodha, Professor
Information & Operations Mgmt
PHD, The University of Texas at Dallas, 2001

Li, Ying, Clinical Assistant Professor
Information & Operations Mgmt
PHD, University of Michigan, 1996

Manley, Matthew T, Clinical Assistant Professor
Information & Operations Mgmt
PHD, Utah State University, 2012

Metters, Richard D, Professor
Information & Operations Mgmt
PHD, University of North Carolina at Chapel Hill, 1993

Oliva, Rogelio, Professor
Information & Operations Mgmt
PHD, Massachusetts Institute of Technology, 1996

Pappu, Madhav, Clinical Assistant Professor
Information & Operations Mgmt
PHD, University of Tennessee, 1999

Phinney, Theresa M, Senior Lecturer
Information & Operations Mgmt
MCS, Texas A&M University, 1984

Rangan, Sudarsan, Clinical Assistant Professor
Information & Operations Mgmt
PHD, The University of Alabama, 2008

Sen, Arun, Professor
Information & Operations Mgmt
PHD, The Pennsylvania State University, 1979

Sen, Ravi, Associate Professor
Information & Operations Mgmt
PHD, University of Illinois at Urbana-Champaign, 2003
Department of Information and Operations Management

Shetty, Bala, Professor
Information & Operations Mgmt
PHD, Southern Methodist University, 1985

Sriskandarajah, Chelliah, Professor
Information & Operations Mgmt
PHD, L'Institut National Polytechnique de Grenoble, 1986

Starnes, Robin C, Executive Professor
Information & Operations Mgmt
MA, Texas A&M University, 1981

Stauffer, Jon M, Assistant Professor
Information & Operations Mgmt
PHD, Indiana University, Kelley School of Business, 2016

Toso De Araujo, Andre Luis, Clinical Assistant Professor
Information & Operations Mgmt
PHD, The University of Oklahoma, 2004

Whitcomb, Della K, Senior Lecturer
Information & Operations Mgmt
MS, Texas A&M University, 1998

Whitten, Gary D, Clinical Professor
Information & Operations Mgmt
DBA, Louisiana Tech University, 2004

Majors

• Bachelor of Business Administration in Management Information Systems (http://catalog.tamu.edu/undergraduate/business/information-operations-management/management-information-systems-bba)
• Bachelor of Business Administration in Supply Chain Management (http://catalog.tamu.edu/undergraduate/business/information-operations-management/supply-chain-management-bba)

Courses

• Management Information Systems (ISTM) (p. 2)
• Supply Chain Management (SCMT) (p. 5)

Management Information Systems
(p. 2)

ISTM 209 Business Information Systems Concepts
Credits 3.3 Lecture Hours.
Introduction to the use of computers in data and document management and as a problem-solving tool for business; fundamental concepts of information technology and theory; opportunities to use existing application software to solve various business information systems oriented problems. May not be used to satisfy degree requirements for majors in business.
Prerequisite: For students other than business and agribusiness majors.

ISTM 210 Fundamentals of Information Systems
Credits 3.3 Lecture Hours.
Introduction to information systems concepts; study of information systems in the functional areas of business; overview of hardware, software and popular operating systems; study of problem solving tools; human factors.
Prerequisite: For business majors.

ISTM 250 Business Programming Logic and Design
Credits 3.3 Lecture Hours.
Development of structured and object-oriented program logic and design in solving business programming problems; writing, documenting, debugging and testing computer code; emphasis on good coding techniques and logical thinking.
Prerequisite: ISTM 210 or approval of instructor.

ISTM 281 Professional Development Information Systems Seminar
Credit 1.1 Other Hour.
Exposure to professional issues, contemporary information systems topics, potential MIS careers and employers. May be taken three times for credit.
Prerequisite: Admission to Mays Business School; intend to major in management information systems.

ISTM 310 Network Communications and Infrastructure
Credits 3.3 Lecture Hours.
Concepts, technologies and applications of on-line and network-based systems; analysis and design of data communications; requirements in an information system environment; impact on business organizations; installation, configuration and management of virtual servers.
Prerequisite: ISTM 250; admission to upper division in Mays Business School.

ISTM 315 Database Programming
Credits 3.3 Lecture Hours.
Use and application of Structured Query Language (SQL); Database Management Systems (DBMS) in the solution of business problems; database programming.
Prerequisites: ISTM 310; ISTM 320; or approval of instructor.

ISTM 320 Business Systems Analysis and Design
Credits 3.3 Lecture Hours.
Techniques and methods currently used in system analysis and design including object oriented methods; use of automated tools to support systems development.
Prerequisite: ISTM 250; admission to upper division in Mays Business School.

ISTM 325 Business Object Oriented Programming with Java
Credits 3.3 Lecture Hours.
Introduction of abstract data types, inheritance, object identity, polymorphism as they relate to building business objects and business classes; use of Java programming language depicting the object orientation concepts; use of class libraries and Java packages for business object construction.
Prerequisites: Admission to upper division in Mays Business School; ISTM 250.

ISTM 370/SCMT 370 Introduction to Energy Industry
Credits 3.3 Lecture Hours.
History of the modern Oil & Gas Industry; ecosystem of companies driving the industry; operations involved in exploration, production, refining, trading, pipeline, and retail in bringing oil to market; accounting and economics of the industry; issues and solutions in supporting supply chain; discussion of technology innovations occurring in the industry.
Prerequisite: Admission to upper division in Mays Business School.
Cross Listing: SCMT 370/ISTM 370.
ISTM 410 Management of Information Systems
Credits 3. 3 Lecture Hours.
Strategic management of information systems; change and risk management processes during information systems implementation; role of information systems to support business goals; writing business cases for request for proposals and responses; project management techniques.
Prerequisite: ISTM 310; ISTM 320; or approval of instructor.

ISTM 415 Information Systems Capstone Project
Credits 3. 3 Lecture Hours.
Design and development of information system software based on technical specifications; multi-platform environment; database server and web server software deployment.
Prerequisites: ISTM 315; ISTM 410; or approval of instructor.

ISTM 420 Web-Enabled Applications
Credits 3. 3 Lecture Hours.
 Distributed business applications using the World Wide Web; advanced discussions of the concepts of internet, intranet, extranet; different methods to design web-enabled applications; active web applications; cutting edge website design; legacy to web integration; use of web-oriented languages.
Prerequisites: ISTM 315.

ISTM 425 Complex Business Application Design
Credits 3. 3 Lecture Hours.
Business application development alternatives; COM and CORBA object models; use of Visual Basic; use of ActiveX controls, ActiveX Servers and ActiveX Documents.
Prerequisites: ISTM 250; senior classification.

ISTM 450 Business Intelligence and Data Mining
Credits 3. 3 Lecture Hours.
Rationale for Business Intelligence and data mining through business case studies; lab training using data mining software; process of data mining by using commercial data mining software on large data sets.
Prerequisites: Grade of "C" or better in SCMT 303 or equivalent; junior or senior classification.

ISTM 455 Business Information Security and Risk Management
Credits 3. 3 Lecture Hours.
Explores business, managerial and technological aspects of information security; analysis, design, implementation and management issues surrounding effective information security; includes risk management, business continuity planning, security policy development.
Prerequisite: ISTM 310.

ISTM 460 E-Services
Credits 3. 3 Lecture Hours.
Examines the deployment and utilization of information technologies by businesses, governments and not for profit organizations to deliver services, with applications in banking and financial advisory services, healthcare, and federal, state and local governments.
Prerequisite: Senior classification in business or approval of instructor.

ISTM 481 Information Systems Seminar
Credit 1. 1 Other Hour.
Exposure to professional issues, contemporary information systems topics, potential MIS careers and employers. May be taken three times for credit.
Prerequisite: Admission to upper division in Mays Business School; or approval of instructor.

ISTM 484 Management Information Systems Internship
Credits 1 to 4. 1 to 4 Other Hours.
A directed internship in an organization to provide students with a learning experience supervised by professionals in organizational settings appropriate to the student's professional objectives. Must be taken on a satisfactory/unsatisfactory basis.
Prerequisites: Management Information Systems major and approval of academic advisor and instructor.

ISTM 485 Directed Studies
Credits 1 to 4. 1 to 4 Other Hours.
Directed study of selected problems in an area of management information systems not covered in other courses.
Prerequisites: Admission to upper division in Mays Business School and approval of academic advisor and instructor.

ISTM 489 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.
Selected topic in an identified field of management information systems.
Prerequisites: Admission to upper division in Mays Business School and approval of academic advisor and instructor.

ISTM 601 Fundamentals of Business Programming
Credits 3. 3 Lecture Hours.
Business Application Development using both procedural and object-oriented programming techniques; use of component based software design and development for distributed business software systems.
Prerequisite: Graduate business classification or approval of instructor.

ISTM 610 Business Data Communications
Credits 3. 3 Lecture Hours.
Concepts and technology of on-line and network-based systems in business; analysis of data communication requirements, design, selection and application of network technologies including wide and local area networks, distributed processing, network architecture, and systems management and control; software simulation projects emphasized. Classification 6 students may not enroll in this course.
Prerequisites: Graduate classification.

ISTM 612 Management Information Systems
Credits 1 to 3. 1 to 3 Lecture Hours.
Concepts, theories, and the strategic role of information systems as applied to business organizations; highly integrative/cross functional in nature. Classification 6 students may not enroll in this course.
Prerequisite: Enrollment is limited to MBA students.

ISTM 615 Business Database Systems
Credits 3. 3 Lecture Hours.
Information processing and management involving applications and user orientation in a business environment using commercially available database management systems.
Prerequisite: Knowledge of one programming language.

ISTM 620 Systems Analysis and Design
Credits 3. 3 Lecture Hours.
Methodologies, techniques, and tools for information systems analysis and design; the analysis and logical design of business processes and management information systems focusing on the systems development life cycle; techniques for logical system design.
Prerequisite: ISTM 615 or concurrent enrollment.
ISTM 622 Advanced Data Management  
Credits 3. 3 Lecture Hours.  
Data/database management and advanced SQL techniques; issues of data security, backup and recovery, large scale databases, master data management, concurrent user data access, scalability, and policies.  
Prerequisites: ISTM 615 or equivalent; graduate classification in business.

ISTM 624 Advanced Systems Analysis and Design  
Credits 3. 3 Lecture Hours.  
Advanced topics in business systems analysis and design; alternative methodologies such as agile development, extreme programming, Rational Unified Process; Unified Modeling Language; bench marking and best practices for systems development; cost/benefit analysis, estimation and budgeting for business information systems; testing; patterns, domain-driven design; process modeling; service-oriented architecture and cloud computing.  
Prerequisite: ISTM 620 or equivalent; graduate classification in business.

ISTM 630 MIS Project Management and Implementation  
Credits 3. 3 Lecture Hours.  
Advanced coverage of systems development topics with emphasis on the management and implementation of business computing systems; group project orientation to include feasibility analysis, alternative evaluation and selection, and management approval; use of software engineering tools where appropriate. Classification 6 students may not enroll in this class.  
Prerequisite: ISTM 620.

ISTM 631 Information Systems Design and Development Project  
Credits 3. 3 Lecture Hours.  
Design and delivery of functional, multi-platform application system using current technologies; user interface design emphasized; issues of mobile device forms, software delivery, and development.  
Prerequisites: Graduation classification; ISTM 622; ISTM 630.

ISTM 635 Business Information Security  
Credits 3. 3 Lecture Hours.  
Explores the business, managerial, and technological aspects of information security; analysis, design, and implementation issues surrounding effective information security; authentication, authorization, availability, business continuity planning, confidentiality, disaster recovery, encryption, firewalls, fraud protection, security policy development, integrity, risk management, virus protection, VPNs and wireless security. Classification 6 students may not enroll in this course.  
Prerequisite: ISTM 610.

ISTM 637 Data Warehousing  
Credits 3. 3 Lecture Hours.  
Provides an understanding of the process by which a data warehouse system is designed and developed along with the underlying concepts and software systems; includes OLAP models and their differences with standard OLTP models.  
Prerequisite: ISTM 615 or approval of instructor.

ISTM 640 Information Systems Sourcing  
Credits 3. 3 Lecture Hours.  
Identify the challenges of information systems sourcing, as well as the costs, risks, rewards, and strategies involved in sourcing situations; focus on global sourcing of professional services, including IT, business process, and knowledge process outsourcing; issues such as vendor management, legal issues, distributed work teams, and comparing alternative sourcing strategies.  
Prerequisites: ISTM 624 or equivalent or approval of instructor; graduate classification in business.

ISTM 643 Corporate Information Planning  
Credits 3. 3 Lecture Hours.  
Concepts regarding the design and use of computer-based management information and decision support systems; combinations of computing hardware and software and design concepts evaluated to meet managers’ information needs. Classification 6 students may not enroll in this course.  
Prerequisites: ISTM 615 or equivalent or approval of instructor.

ISTM 645 IT Security Controls  
Credits 3. 3 Lecture Hours.  
Familiarization with planning, design, and implementation of controls to minimize risks to business information; focus on the importance of managing business information security; introduction to the tools, concepts and theories to safeguard an organization’s information systems and IT assets; understanding of cryptography and application, operations, and physical security.  
Prerequisite: ISTM 635.

ISTM 646 E-Services  
Credits 3. 3 Lecture Hours.  
Examines the deployment and utilization of information technologies by businesses, governments and not-for-profit organizations to deliver services, with applications in banking and financial advisory services, healthcare, and federal, state and local governments.  
Prerequisite: ISTM 620.

ISTM 650 Business Data Mining  
Credits 3. 3 Lecture Hours.  
Rationale for business Data Mining through case studies of business applications; process of data mining by using commercial Data Mining software on very large data sets; half of the course devoted to lab training in the use of Data Mining software including SAS Enterprise Miner and SPSS Clementine.  
Prerequisite: STAT 652 or approval of instructor.

ISTM 652 Customer Relationship Management and Technologies  
Credits 3. 3 Lecture Hours.  
Theory and application of information technology in customer relationship management, construction of CRM infrastructures in organizations.  
Prerequisite: ISTM 615.

ISTM 654 E-Commerce Technologies  
Credits 3. 3 Lecture Hours.  
Theory and application of constructing E-Commerce sites, including n-tier architecture and technologies, web servers, server interactions with databases, and transaction managers.  
Prerequisite: ISTM 615 or equivalent.

ISTM 655 Security Management and Compliance  
Credits 3. 3 Lecture Hours.  
Familiarization with managerial and legal aspects of business information security; focus on importance of managing business information security and theories to help safeguard an organization’s information systems and IT assets; understanding of Security Architecture and Design, Business Continuity and Disaster Recovery Planning, Laws Investigation and Ethics.  
Prerequisite: ISTM 635.
ISTM 656 Global Information Systems  
Credits 3. 3 Lecture Hours.  
Impact and the central role of Information Systems (IS) on globalization of business; issues of deployment of information systems and technology in international commerce, global IS environmental variables such as technology, legal, political, economic, social and cultural. Classification 6 students may not enroll in this course.  
Prerequisite: ISTM 610 or equivalent, or approval of instructor.

ISTM 670 IT Consulting  
Credits 3. 3 Lecture Hours.  
Concerns with the practice of IT consulting; and develops an understanding of consulting practices, business development and revenue management, client relationships, team-based knowledge, collaboration tools, business process and organizational change, and large application implementations; involves a full semester client-based project.  
Prerequisites: ISTM 615, ISTM 620, and SCMT 660, and approval of instructor.

ISTM 684 Professional Internship  
Credits 1 to 6. 1 to 6 Other Hours.  
A directed internship in an organization to provide students with on-the-job training with professionals in organizational settings appropriate to the student’s professional objectives. May be repeated for credit. Classification 6 students may not enroll in this course.  
Prerequisite: Approval of committee chair and department head.

ISTM 685 Directed Studies  
Credits 1 to 4. 1 to 4 Other Hours.  
Directed study on selected problems using recent developments in business research methods. Classification 6 students may not enroll in this course.  
Prerequisite: Approval of instructor and graduate advisor.

ISTM 686 Theory and Research in Management Information Systems  
Credits 3. 3 Lecture Hours.  
Theory, applications and human and organizational issues of Management Information Systems (MIS); current academic research into the analysis, design and implementation of computer information systems. Classification 6 students may not enroll in this course.  
Prerequisites: Doctoral classification and approval of instructor.

ISTM 689 Special Topics in...  
Credits 1 to 4. 1 to 4 Other Hours.  
Selected topics in identified area of information systems, operations management or management science. Classification 6 students may not enroll in this course. May be repeated for credit.

ISYS 300/SCMT 300 Business Communications I  
Credit 1. 1 Lecture Hour.  
Proper techniques for writing major-specific business communications; progress report, memorandum, letter, executive summary; verbal communications via phone call and person-to-person communications; critiques of personal and peer writing.  
Prerequisites: Junior or senior classification; MISY majors only.  
Cross Listing: SCMT 300/ISYS 300.

ISYS 400/SCMT 400 Business Communications II  
Credit 1. 1 Lecture Hour.  
Development of critical interpersonal and oral communication skills; strategies for positive team development; conflict resolution; oral presentations and information elicitation; production of effective visual aids.  
Prerequisites: Senior classification; MISY majors only.  
Cross Listing: SCMT 400/ISYS 400.

Supply Chain Management (p. 2)  
SCMT 300/ISYS 300 Business Communications I  
Credit 1. 1 Lecture Hour.  
Proper techniques for writing major-specific business communications; progress report, memorandum, letter, executive summary; verbal communications via phone call and person-to-person communications; critiques of personal and peer writing.  
Prerequisites: Junior or senior classification; SCMT majors only.  
Cross Listing: ISYS 300/SCMT 300.

SCMT 303 Statistical Methods  
Credits 3. 3 Lecture Hours.  
Collection, tabulation and presentation of numerical data; sampling, estimation of averages and variation, probability and error, hypothesis testing and correlation.  
Prerequisite: Admission to upper division in Mays Business School.

SCMT 305 Intermediate Business Statistics  
Credits 3. 3 Lecture Hours.  
Selected topics in statistical analysis; practical applications to functional problems in accounting, finance, marketing and management; applications of existing computer programs minimize computations.  
Prerequisite: SCMT 303 or STAT 301, STAT 302, or STAT 303.

SCMT 309 Supply Chain Management Principles  
Credits 3. 3 Lecture Hours.  
Integrated management of the make, buy and delivery processes in firms; emphasis on issues specific to the procurement, manufacturing, and logistics disciplines; requirements for operating in a global marketplace; includes cultural, functional and strategic aspects of global business.  
Prerequisite: ISTM 209; junior classification; University Studies Business Concentration students only.

SCMT 335 Sourcing and Procurement  
Credits 3. 3 Lecture Hours.  
Processes to identify and manage suppliers for goods and services to support operations; including sourcing, contracting, negotiations, buying procedures, cost and price analysis, vendor relations, auditing and inspection, supplier relations, and applications to information technology systems.  
Prerequisite: SCMT 364 with a grade of C or better; SCMT 340 and SCMT 361; or approval of instructor.

SCMT 336 Decision Support Systems  
Credits 3. 3 Lecture Hours.  
Application of quantitative decision-making techniques to management decision problems; focus on model development, solution and implementation of results.  
Prerequisites: SCMT 364; junior or senior classification.
SCMT 340 Global Supply Chain Management  
Credits 3. 3 Lecture Hours.  
Extend knowledge of basic concepts of transportation and logistics to specialized situations in international business in order to understand (a) the international trade and commercial environment, (b) exporting and importing documentation and procedures and (c) operations involving international shipping and transportation.  
Prerequisite: SCMT 364 with a grade of C or better.

SCMT 345 Business Process Design  
Credits 3. 3 Lecture Hours.  
Design, implementation and improvement of the processes by which a firm sources, makes, and delivers products and services to meet customer requirements; includes six-sigma, process flow charting, computer simulation, and other techniques to document, analyze, design, and improve business processes.  
Prerequisite: SCMT 364 with a grade of C or better; SCMT 340 and SCMT 361; or approval of instructor.

SCMT 361 Operations Planning and Control  
Credits 3. 3 Lecture Hours.  
Planning and controlling the conversion of materials, labor, capital, and information into goods and services for both manufacturing and service organizations; emphasis on managerial and technical aspects of planning and controlling operating systems.  
Prerequisite: SCMT 364 with a grade of C or better; or approval of instructor.

SCMT 364 Operations Management  
Credits 3. 3 Lecture Hours.  
Concepts, issues and techniques used to plan, analyze, and control systems of production; operational problems in producing goods and services.  
Prerequisite: SCMT 303 or STAT 301, STAT 302, or STAT 303 or concurrent enrollment; admission to upper division in Mays Business School.

SCMT 370/ISTM 370 Introduction to Energy Industry  
Credits 3. 3 Lecture Hours.  
History of the modern Oil & Gas Industry; ecosystem of companies driving the industry; operations involved in exploration, production, refining, trading, pipeline, and retail in bringing oil to market; accounting and economics of the industry; issues and solutions in supporting supply chain; discussion of technology innovations occurring in the industry.  
Prerequisite: Admission to upper division in Mays Business School.  
Cross Listing: ISTM 370/SCMT 370.

SCMT 375 Supply Chain Security  
Credits 3. 3 Lecture Hours.  
Security of global supply chains; selection of appropriate technologies utilized in securing global supply chains; planning responses to disaster events in relation to the delivery and receipt of goods and services; designing draft security policies for an organization's supply chain.  
Prerequisite: SCMT 364.

SCMT 380 Lean Business Systems  
Credits 3. 3 Lecture Hours.  
Analysis of real world business challenges using an operational framework to identify and solve problems; provides a route map to sustain results; exploration of lean strategies such as root cause analysis, batch to pull processes, value stream mapping, level loading, line balancing.  
Prerequisite: Admission to upper division in Mays Business School.

SCMT 381 Lean Business Tools and Techniques  
Credits 3. 3 Lecture Hours.  
In-depth and hands-on look into specific Lean tools used to solve specific tactical problems; standard work strategies, time studies, waste simulation, PFEPs, productive maintenance, visual daily management systems, and Kaizen events.  
Prerequisite: Admission to upper-division in Mays Business School.

SCMT 400/ISYS 400 Business Communication II  
Credit 1. 1 Lecture Hour.  
Development of critical interpersonal and oral communication skills; strategies for positive team development; conflict resolution; oral presentations and information elicitation; production of effective visual aids.  
Prerequisites: Junior or senior classification; SCMT majors only.  
Cross Listing: ISYS 400/SCMT 400.

SCMT 464 Advanced Supply Chain Management  
Credits 3. 3 Lecture Hours.  
Advanced contemporary topics in supply chain and operations management; developing analytical insights into the operation of selected methodologies.  
Prerequisites: SCMT 340 and senior classification.

SCMT 465 Information Technology for Supply Chain Management  
Credits 3. 3 Lecture Hours.  
Overview of information technology applications for planning and controlling the design, manufacture and distribution of goods and services; managerial and technical aspects of information technology for product design, shop floor, factory, enterprise and supply chain management.  
Prerequisite: SCMT 340 with a grade of C or better; SCMT 361; or approval of instructor.

SCMT 468 Enterprise Resource Planning  
Credits 3. 3 Lecture Hours.  
Application of advanced information technology for integrating business functions through distributed databases; applications for planning, scheduling, purchasing and costing to multiple layers of the organization.  
Prerequisite: SCMT 364.

SCMT 484 Supply Chain Management Internship  
Credits 1 to 4. 1 to 4 Other Hours.  
A directed internship in an organization to provide students with a learning experience supervised by professionals in organizational settings appropriate to the student's professional objectives. Must be taken on a satisfactory/unsatisfactory basis.  
Prerequisite: SCMT major and approval of academic advisor and instructor.

SCMT 485 Directed Studies  
Credits 1 to 4. 1 to 4 Other Hours.  
Directed study of selected problems in an area of supply chain management not covered in other courses.  
Prerequisites: Admission to upper division in Mays Business School and approval of academic advisor and instructor.

SCMT 489 Special Topics In...  
Credits 1 to 4. 1 to 4 Other Hours.  
Selected topic in an identified field of supply chain management two times for credit.  
Prerequisites: Admission to upper division in Mays Business School and approval of academic advisor and instructor.