

INFORMATION SYSTEMS AND SUPPLY CHAIN MANAGEMENT (ISSCM)

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ISSCM 241 Business Statistics (3 Credit Hours)

This course examines the steps and procedures required to solve problems in science, social science, and business where data are useful - from the definition of the managerial problems to the use of statistical analysis to address these problems.

Knowledge Area: Quantitative Knowledge

Course equivalencies: ISOM/H/MGSC241/STAT103/ACST101

Outcomes:

Students will be able to demonstrate understanding of statistical thinking and data analysis technique for decision-making purposes

ISSCM 241H Business Statistics - Honors (3 Credit Hours)

Restricted to SBA honors students. This course examines the steps and procedures required to solve problems in science, social science, and business where data are useful - from the definition of the managerial problems to the use of statistical analysis to address these problems.

Course equivalencies: ISOM/H/MGSC241/STAT103/ACST101

Outcomes:

Students will be able to demonstrate understanding of statistical thinking and data analysis technique for decision-making purposes

ISSCM 349 Project Management (3 Credit Hours)

Pre-requisites: Junior Standing; Grade of C- or higher in ACCT 201 & MGMT 201

The art and science of project management as applied to business, industrial, and public projects. Covers: the project life cycle; project teambuilding; techniques for planning, scheduling and controlling projects; project organizations; project leadership and stakeholders.

Course equivalencies: ISOM 349/ISOM 357/MGSC 349

Outcomes:

Understanding of the broader role of the project manager with regard to all project stakeholders, and of methods and steps for initiating, defining, and executing projects

ISSCM 393 Requirements Analysis and Communication (3 Credit Hours)

Pre-requisites: Junior Standing, minimum grade of "C-" or better in ISSCM 247

This course focuses on Information Systems requirements and related communication skills. Students will learn how to gather requirements for Information Systems from an organization's users and executives based on a general understanding of organizations and business goals. Students learn techniques of how to translate between organizational needs and requirements for systems and processes, and how to analyze, validate, and prioritize those requirements. A special focus of the course will be to improve business communication skills such as interviewing, listening, presenting and negotiating.

This course satisfies the Engaged Learning requirement.

Course equivalencies: ISOM393 / MGSC393

ISSCM 395 Independent Study in ISSCM (1-3 Credit Hours)

Pre-requisites: Junior Standing, Instructor and Dean permission
Independent study is in-depth research or reading, initiated by the student and jointly developed with a faculty member, into a specialized area of information Systems and Operations Management not otherwise covered by department course offerings. Variable credit. This course is for students who major in either Information Systems or Operations Management. Will count toward major requirements. Permission of Assistant Dean required.

ISSCM 399 Special Topics in ISSCM (1-3 Credit Hours)

Pre-requisites: Junior Standing

Special Topics are scheduled classes offered on an ad hoc basis. Specific titles, prerequisites and content will vary.

Course equivalencies: ISOM399 / MGSC399

ISSCM 400 Quantitative Methods (0 Credit Hours)

Introduces the non-math-oriented student to the use of mathematical modeling in business. This course begins with a review of topics from algebra, then covers concepts in calculus and applies them to the solving of business problems.

ISSCM 400E Quantitative Methods (1.5 Credit Hours)

Quantitative Methods is restricted to students enrolled in the Executive MBA and MBA Health Care Management programs.

ISSCM 400N Quantitative Methods I (0 Credit Hours)

Introduces the non-math-oriented student to the use of mathematical modeling in business. This course begins with a review of topics from algebra, then covers concepts in calculus and applies them to the solving of business problems.

Outcomes:

Students learn the tools for modeling business decision problems and the techniques for finding solutions for these models

ISSCM 402N Quantitative Methods II - Statistics Primer (0 Credit Hours)

The fundamentals of managerial statistics are presented. Topics include descriptive statistics, regression, and correlation analysis.

ISSCM 484B Project Management (1.5 Credit Hours)

Pre-requisites: Completion of two Core business courses (ACCT 400, MARK 460, HRER 417, ISOM 491, FINC 450, ECON 420, OPMG 480)

The art and science of project management as applied to a variety of business and technical projects in commercial, public, and private sectors. Covers: project life cycle and methodology; teambuilding; project organization, stakeholders and leadership; proposals and contracts; techniques for project planning, estimating, scheduling, and control; PMO.

Outcomes:

Understanding of the broader role of the project manager with regard to all project stakeholders, and of methods, tools, and procedures for initiating, defining, and executing projects

ISSCM 484E Project Management (3 Credit Hours)

Enrollment is restricted to students in the Executive MBA Program. Explores the art and science of project management and systems development, as applied to a variety of large and small project situations in commercial, public, and private sectors.

Course equivalencies: OPMG601E/ISOM484E

ISSCM 484N Project Management (3 Credit Hours)

Project management is the art, craft, and occasional science of being intentional and systematic about transforming ideas into practice and realizing organizational value. We explore how to design and sequence tasks and deliverables, obtain resources, and manage to deadlines and value. Restricted to School of Business graduate degree students.

Outcomes:

Identify project management opportunities; Design executable project plans; Recognize and address risks that arise during execution

ISSCM 486E Global Supply Chain Management (1.5 Credit Hours)

Enrollment is restricted to students in the Executive MBA Program.

Explores the current business revolution in global logistics and partnering by members of the supply chain to more effectively provide products and services to customers.

Course equivalencies: ISOM486E/OPMG602E

ISSCM 491 Managerial Statistics (3 Credit Hours)

The fundamentals of managerial statistics are presented. Topics may include descriptive statistics, random variables, probability distributions, estimation, hypothesis testing, regression, and correlation analysis. Statistical software is used to assist in the analysis of these problems.

Course equivalencies: ISOM491 / MGSC491

Outcomes:

Students will be able to demonstrate understanding of statistical thinking and data analysis technique for decision-making purposes

ISSCM 491E Data Analysis for Managers (3 Credit Hours)

Enrollment is restricted to students in the Executive MBA Program.

Provides an in-depth treatment of computer-based data analysis, including sampling, estimation, hypothesis testing, regression, and time-series models. The emphasis is on managerial applications and on letting the data tell the story.

Course equivalencies: ISOM 600E/ISOM491E

ISSCM 495 Forecasting Methods (3 Credit Hours)

Pre-requisites: Graduate School of Business Student and ISSCM 491 or ISSCM 402N

Techniques of forecasting and model building are introduced. Methods covered are simple and multiple regression, introduction to time series components, exponential smoothing algorithms, and AIRMA models - Box Jenkins techniques. Business cases are demonstrated and solved using the computer.

Course equivalencies: ISOM495 / MGSC495

Outcomes:

To be able forecast business and economic variables to enhance business decisions

ISSCM 595B Decision Strategy Critical Thinking & Decision Analysis (3 Credit Hours)

Making good decisions in face of uncertainty and risk is at the heart of successful management. This course provides a coherent set of critical thinking and decision analysis tools that are used to carve out well-structured decision models from ill-structured real-life problems and perform analyses to generate insights.

Outcomes:

The course introduces students to a variety of tools that will improve their critical reasoning skills and ultimately the ability to make effective decisions

ISSCM 595N Decision Analysis (3 Credit Hours)

Making good decisions in face of uncertainty and risk is at the heart of successful management. This course provides a coherent set of critical thinking and decision analysis tools that are used to carve out well-structured decision models from ill-structured real-life problems and perform analyses to generate insights. Restricted to School of Business graduate degree students.

Outcomes:

The course introduces students to a variety of tools that will improve their critical reasoning skills and ultimately the ability to make effective decisions

ISSCM 596B Data Driven Decision Making (3 Credit Hours)

Perhaps one of the biggest challenges facing organizations is bridging the gap between those who have technical expertise in information systems and those who are managerial decision makers. This course builds on the decision strategy course to help address that challenge.

ISSCM 596N Data Driven Decision Making (3 Credit Hours)

Perhaps one of the biggest challenges facing organizations is bridging the gap between those who have technical expertise in information systems and those who are managerial decision makers. This course builds on the decision strategy course to help address that challenge. Restricted to School of Business graduate degree students.

Outcomes:

Understand the sources and limitations of data; Understand how databases organize data sets and the use of SQL to extract data; Increase facility with spreadsheets; Expose students to the issues that arise between those who provide data and those who use data to make business decisions

ISSCM 799 Special Topics- Information Systems & Supply Chain Management (3 Credit Hours)

Scheduled classes are offered on an ad hoc basis. Specific titles, prerequisites and content will vary.

Course equivalencies: ISOM799 / MGSC799

Outcomes:

Students will be able to demonstrate understanding of specialized topics not otherwise covered by department regular course offerings