

Graduate Course Descriptions Effective Fall 2007

https://www.banweb.mtu.edu/pls/owa/stu_ctg_utils.p_online_all_courses_gr

Business

BA 5200 - Information Systems

Focuses on management of IS/IT within the business environment. Topics include IT infrastructure and architecture, organizational impact of innovation, change management, and human-machine interaction. Class format includes lecture, discussion, and integrative case studies.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 1200

BA 5290 - Special Topics in IS/IT

IS/IT topics of interest to students and faculty.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

BA 5300 - Accounting

This class covers the collection, reporting and analysis of financial information with emphasis on the use of that information to support decision making.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 2300

BA 5390 - Special Topics in Accounting

Accounting topics of interest to students and faculty.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

BA 5400 - Finance

Explores the theory and practice of finance and capital markets. Topics include role of the financial manager and goals of the firm, financial mathematics, valuation of assets, cost of capital, project evaluation, capital structure, forecasting, financing vehicles, special topics in finance.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall, Summer

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 3400 or EC 3400

BA 5410 - Finance II

Focuses on central issues in corporate finance, such as capital structure, dividend policy, lease versus buy, working capital management, mergers and acquisitions, risk management, financial engineering, pension fund management, and fixed-income securities.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 5400

BA 5460 - Derivative Securities

Studies futures, forwards, and option pricing and their uses for speculation, arbitrage and hedging. The option pricing framework is extended to cover exotic options and options embedded in real assets.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 5400

BA 5490 - Special Topics in Finance

Finance topics of interest to students and faculty.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

BA 5610 - Operations and Quality Management

Applications and case studies focusing on contemporary issues in operations and quality management to include lean manufacturing practices, ERP, quality and environmental management systems/standards, Six Sigma, statistical process control, and other current topics.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 2110

BA 5620 - Supply Chain Management

Designing and managing channels of distribution, purchase and movement of goods, and transportation systems. Emphasizes design of appropriate marketing channels, advanced topics in inventory control, facility location, routing of physical flows among facilities, and design and evaluation of transportation systems.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

BA 5630 - Operations Strategy

Application and case studies are used to address issues in operations management, quality, research and development, capacity planning, budgeting, marketing, supply chain, and technology to provide an interdisciplinary, quantitative focus on decision making and strategic planning for operations.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 5610

BA 5640 - Global Operations & Logistics

Case analysis, in-depth article reviews, and course projects are used to address issues in the design and management of global supply chains. Topics include global sourcing strategies, strategic alliances, demand and supply uncertainties, logistic network design, managing variability and risk, supply chain interactions and the value of information.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 5610

BA 5650 - Project Management

Focuses on project definition, selection, planning, scheduling, implementation, performance monitoring, evaluation and control. Emphasis will be on product, service and process development and emerging concepts related to development on the internet. Some advanced concepts in resource constraint management and design matrix are included.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall, Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

BA 5670 - Business Process Simulation

Discrete event and continuous simulation modeling techniques applied to the analysis of business processes. Special- purpose simulation software will be used to analyze cases and problems from the manufacturing and service sectors.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall, Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 2100 or MA 2710 or MA 3710 or MA 3720

BA 5690 - Special Topics in Operations & Systems Management

Operations and systems management topics of interest to students and faculty.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

BA 5700 - Management & Organizational Behavior

Discusses managing effectively within the environmental context of the organization. Topics include corporate culture, managing in a global environment, planning and strategy, organizational structure, human resources management, managing change, leadership, motivation, communication, conflict management, and teamwork.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall, Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 3700

BA 5710 - Business Strategy

Introduces students to a repertoire of strategies that have been found useful in the creation of competitive advantage: cost leadership, business model differentiation, vertical integration, diversification, globalization, mergers and acquisitions, tacit collusion, alliance, and flexibility-agility-adaptability strategies.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall, Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 3700

BA 5720 - Entrepreneurship I - Launching Entrepreneurial Ventures

Focuses on the development of new technology-based businesses. Topics include creativity, screening technological opportunities, analyzing markets, testing business concepts, protecting intellectual property, strategy development, entrepreneurial team selection, securing financing, and developing a business plan.

Credits: 3.0

Lec-Rec-Lab: (0-3-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

BA 5730 - Entrepreneurship II - Growing and Managing New Ventures

Focuses on growing new technology-based businesses. Topics include building an effective entrepreneurial team, ethics and social responsibility, financial planning/reporting, working capital management, growth marketing, product/process development, raising capital, managing change and development, and planning for succession.

Credits: 3.0

Lec-Rec-Lab: (0-3-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

BA 5740 - Management of Technology and Innovation

An evolutionary strategic perspective is taken viewing how technology strategy evolves from underlying technological competencies, patterns of innovation, sources of external technological knowledge and modes of transfer.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

BA 5750 - Strategic Managerial Processes

Introduces students to advanced topics in strategic change, strategy formation, and strategy implementation through a review of organization theories and processes. Course materials are applied to specific projects through individual specialized strategic management research projects.

Credits: 3.0

Lec-Rec-Lab: (0-3-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 3700

BA 5760 - Corporate Social Responsibility & Business Ethics

Explores corporate social responsibility (CSR), business ethics, and corporate governance. Topics include organizational and environmental forces which drive CSR (e.g., sustainability, fair trade, globalization); stakeholder theory; the strategic context of CSR; and implementation of CSR into strategy and culture.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

BA 5790 - Special Topics in Management

Management topics of interest to students and faculty.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

BA 5800 - Marketing

The course will provide an integrated approach to marketing management. Uses a modeling and case analysis approach to develop strategic marketing thinking.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): BA 3800

BA 5890 - Special Topics in Marketing

Marketing topics of interest to students and faculty.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

BA 5990 - Special Topics

Business topics of interest to students. Study is under the guidance of a faculty member.

Credits: variable to 3.0; Repeatable to a Max of 6

Semesters Offered: On Demand

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

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