

BUSINESS MANAGEMENT (BM)

BM-510 Business Analysis, Research and Communication Credits: 3

Term Offered: All Terms

Course Type(s): None

Skills in critical reasoning and communication are honed by learning fundamentals of rigorous business research through framing and exploring hypotheses on unstructured business problems.

BM-512 Entrepreneurship and Innovation Credits: 3

Term Offered: Spring Term

Course Type(s): None

Explores the practical skills and knowledge needed to create and manage an entrepreneurial venture. Specifically the course develops students' capabilities to identify opportunities, create a novel business concept, research venture feasibility, plan and marshal the resources to launch a venture, as well as manage innovation as a core competence.

BM-517 Introduction to Management Credits: 1.5

Term Offered: All Terms

Course Type(s): None

Designed to introduce MBA students to the basics of management and management practices. This course is intended for students who have not had sufficient academic or practical background in management.

BM-518 Introduction to Statistics Credits: 3

Term Offered: All Terms

Course Type(s): None

Provides a graduate school introduction to the methodology and tools of statistics required by today's managers. Topics include graphical representation of data, descriptive statistics, probability, binomial and normal distributions, sampling, inferential statistics, confidence intervals, hypothesis testing, analysis of variance, and single and multiple regression analysis. Microsoft Excel is used extensively in class, and students should have a very basic familiarity with the software.

BM-519 Production and Operations Management Credits: 3

Prerequisite(s): BM-518 or equivalent

Term Offered: All Terms

Course Type(s): None

Application and adaption of current managerial methods for the production of goods and services, employing qualitative and quantitative analyses of allocating such production factors as human resources, materials, and technology in the context of optimizing performance.

BM-520 Management Information Systems Credits: 3

Term Offered: All Terms

Course Type(s): MBA.T

A survey of the concepts of management information systems and the information needs of management. A user-oriented introduction to the fundamentals of information systems and their integration into business organizations. Not eligible to students who have successfully completed MIS-623 or SE-623.

BM-521 Seminar in Electronic Commerce Credits: 3

Term Offered: Spring Term

Course Type(s): None

Provides an overview of the managerial side of e-commerce for the purpose of discussing the strategic and managerial implications of this new and emerging phenomenon. The technological and business possibilities for commerce using information technologies and networks will be explored in terms of their value-adding potential to current business practices, as well as the development of new products and/or services.

BM-565 Management of Technology Credits: 3

Term Offered: Spring Term

Course Type(s): MBA.T

Study of the management of the technological innovation process and internal entrepreneurship; major topic areas include: technology strategy, technological evolution, strategic alliances, and new product development.

BM-598 Special Topics in Management Credits: 3

Course Type(s): None

Subject matter varies according to the interest of the students and the professor teaching the course. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BM-599 Business Research: Management Credits: 3

Term Offered: All Terms

Course Type(s): None

Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BM-613 Managing and Leading in Organizations Credits: 3

Prerequisite(s): BM-517

Term Offered: All Terms

Course Type(s): None

This course is designed to further develop students' understanding of the concepts of management and leadership within the complex framework of modern business.

BM-620 Management Science and Business Analytics Credits: 3

Prerequisite(s): BM-518 and BM-519

Term Offered: All Terms

Course Type(s): MBA.Q

Provides a graduate school introduction to the methodology and tools of Management Science and Business Analytics that are a necessity for all of today's managers. Students will learn how to model, design and analyze systems. Excel will be used for quantitative analysis and decision-making tools. Students will also learn how to organize, sort and sift through high levels of data in order to make a decision. Also listed as DS-660.

BM-622 Applied Information Systems Management**Credits: 3**

Prerequisite(s): BM-518

Term Offered: All Terms

Course Type(s): MBA.Q, MBA.T

Value creations through many applications of data, information, and knowledge are one of the primary objectives of modern business organizations. Applied Information Systems Management focuses on the development of data management skills, which serve as the foundation for extension of learning in the areas of data mining, knowledge management, geographical information systems, and intelligent information systems for business. Emphasis is placed on gaining the ability to organize, sort, and sift through high levels of data in order to make an informed and accurate decision.

BM-630 Project Management**Credits: 3**

Prerequisite(s): BM-519 or equivalent

Course Type(s): None

Advanced coverage of both the qualitative and quantitative aspects of effective project management. The project life cycle phases of initiating, planning and design, executing, monitoring and controlling, and closing projects will be extensively covered from an applied managerial perspective.

BM-631 Logistics Supply Chain Management**Credits: 3**

Prerequisite(s): BM-517, BM-518, and BM-620 or BM-622

Term Offered: Summer Term

Course Type(s): None

Logistics is an integrative activity uniting suppliers, providers of goods and services, and customers with logistical and supply chain systems binding global participants to fulfill their common interest in a most effective manner.

BM-633 Business Artificial Intelligence**Credits: 3**

Prerequisite(s): BM-622 or permission of the instructor.

Term Offered: All Terms

Course Type(s): TPS

The 4th Industrial Revolution emerged, as the global market began sharing the Big (digital) Data and its mobile technology in real time. The objective of Business Artificial Intelligence (BAI) is to timely engage students at the graduate level the theory and practice of Artificial Intelligence (AI) applications to Business. Theoretical insights, comprised of Machine Learning, Deep Learning, Neural Networks, Expert Systems, and Heuristics are introduced, along with Digital Leadership and Strategies. Business applications of market-dominant AI are discussed and exercised in the Lab.

BM-635 Human Resource and Organizational Development**Credits: 3**

Prerequisite(s): BM-517

Term Offered: Spring Term

Course Type(s): MBA.B

Examination of the practices and problems associated with staffing, managing, evaluation, and organizational development. Examination of the practices and problems associated with staffing, leading, and organizational sustainability.

BM-650 International Business**Credits: 3**

Prerequisite(s): BM-613

Term Offered: All Terms

Course Type(s): MBA.I, MBA.B

The factors unique to international/global business in both the external environment (cultural, political, legal, technological, economic, financial) and the internal functional decisions made by the firm for sustainable strategic growth, while identifying risk.

BM-660 Corporate Governance and Organizational Ethics**Credits: 3**

Prerequisite(s): BM-517

Term Offered: All Terms

Course Type(s): None

The properties of national and global markets and the interests of nation states and nongovernmental organizations are explored in analyzing how sustainable business strategies, corporate governance, and organizational ethics are linked.

BM-670 Strategic Management**Credits: 3**

Term Offered: All Terms

Course Type(s): None

A conceptual and capstone approach to business organizing and planning through seminars, case studies, and simulation of global enterprise; the formulation and implementation of competitive strategy.

BM-699 Independent Study in Management**Credits: 3**

Term Offered: All Terms

Course Type(s): None

Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research is required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.