

# Master in Management (MNGE)

---

## Courses

### **MNGE 201. Business Statistics. 2 Units.**

Methods of statistical inference, emphasizing applications to administrative and management decision problems. Topics include classical estimation and hypothesis testing, regression, correlation, analysis of variance, decision analysis, and forecasting.

Restrictions: Master in Management only.

### **MNGE 202. Organization and Leadership. 4 Units.**

Develop a better understanding of the causes and consequences of individual and group behavior, and the frameworks by which to analyze and understand complex organizations; and enhances the skills required to manage and lead an organization.

Restrictions: Master in Management only.

### **MNGE 203. Financial and Managerial Accounting. 4 Units.**

Explore the essentials of financial and managerial accounting, and gain skills in measuring and evaluating financial information for decision-making. Learn to analyze cost behaviors, budgetary planning, and capital investments, becoming an informed user of financial statements and managerial data.

Restrictions: Master in Management only.

### **MNGE 205. Marketing . 4 Units.**

Explores marketing fundamentals in the digital age, focusing on customer understanding, market assessment, and growth strategies. Examines product design, pricing, promotion, and distribution globally. Integrates theory and practice through case studies, emphasizing digital technologies' impact on marketing strategies

Restrictions: Master in Management only.

### **MNGE 207. Data and Machine Intelligence. 4 Units.**

Teaches students to handle data that come in a variety of forms and sizes. Guides students through the whole data management process, from initial data acquisition to final data analysis.

Restrictions: Master in Management only.

### **MNGE 208. Operations . 2 Units.**

Introduction to strategic and tactical issues in production and operations management. A blend of quantitative and qualitative considerations. Topics include product planning, process design, capacity management, production planning, inventory control, distribution management, just-in time manufacturing, quality management.

Restrictions: Master in Management only.

### **MNGE 209. Financial Management. 2 Units.**

Introduces students to financial theory and concepts. The main topics covered are time value of money, valuation of stocks and bonds, capital budgeting, portfolio theory, capital structure choice.

Restrictions: Master in Management only.

### **MNGE 210. Strategy. 2 Units.**

Provides conceptual frameworks and techniques to analyze and develop firm strategies. Through case analysis and discussion, helps improve strategic thinking by developing frameworks by which to assess, evaluate, and respond to different business situations.

Restrictions: Master in Management only.

### **MNGE 211. Business Immersion and Career Preparation. 0 Units.**

Provides students with information and practical skills for success in the program, and for business career planning.

Grading Option: Satisfactory/Unsatisfactory only

Restrictions: Master in Management only.

### **MNGE 212. Environmental Policy. 4 Units.**

Examines current environmental challenges, exploring regulatory, market-based, and voluntary approaches. Students apply cost-benefit analysis to controversial issues, debate governance challenges, and analyze policy design in climate change, air quality, water policy, energy supply, and resource management.

Restrictions: Master in Management have the first consideration for enrollment. School of Business students only.

### **MNGE 217. Sustainability as a Competitive Advantage. 4 Units.**

Explores sustainability in business, covering principles, strategies, and practices that contribute to economic growth, social progress, and environmental resilience. Students learn how companies can transform sustainability from a compliance requirement into a source of competitive advantage.

Restrictions: Master in Management have the first consideration for enrollment. School of Business students only.

### **MNGE 274. Business Data and Management. 4 Units.**

Designed to equip business managers with the essential knowledge and skills needed to effectively store, manage, and utilize data in a business environment. Focuses on two key areas: databases and data warehouses.

Restrictions: Master in Management have the first consideration for enrollment. School of Business students only.

**MNGE 279. Digital Strategies and Markets. 4 Units.**

Covers business strategies for firms that make technology products. Internet-based goods and products with digital components and networks effects are an indispensable part of economic activity.

Restrictions: Master in Management have the first consideration for enrollment. School of Business students only.

**MNGE 290. Special Topics in Master in Management . 4 Units.**

Studies in selected areas of management. Topics addressed vary each quarter.

Repeatability: May be taken unlimited times as topics vary

Restrictions: Master in Management have the first consideration for enrollment. School of Business students only.

**MNGE 294. Edge: Innovation in the New Digital Age. 4 Units.**

Explores the strategic and operational issues that business leaders face in adapting to the new business environment, what we call innovating, managing, and competing at the edge.

Same as INNO 294

Restrictions: Master of Innovation and Entrepreneurship and Master in Management have the first consideration for enrollment. School of Business students only.

**MNGE 298A. Master in Management Capstone Prep. 2 Units.**

Prep course for the required capstone project. Students apply the knowledge and methods acquired through the program's coursework to an applied business problem. Requirements include project selection, submission of project plan, and data collection/analysis.

**MNGE 298B. Master in Management Capstone Projects. 2 Units.**

Continuation of the capstone prep course. Students apply the knowledge and methods acquired through the coursework in the program to an applied business problem. Work includes data analysis, completed research paper, and final presentation.