

# MANAGEMENT SCIENCE (MGSC)

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## **MGSC 239 Business Statistics I (3 Credits)**

**Lecture:** 3, **Lab:** 0

Business Statistics I (3) Basic elements of classical statistical analysis, including descriptive statistics, probability theory, probability distributions, sampling, estimation, and testing in the analysis of business problems. Three hours of lecture per week. Prerequisites: MATH 133 and MATH 135 or higher (except MATH 231).

**Prerequisite(s):** (MATH 133 and MATH 135) or MATH 138

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.

## **MGSC 240 Math Decision Making (3 Credits)**

**Lecture:** 3, **Lab:** 0

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.

## **MGSC 302 Operations Management I (3 Credits)**

**Lecture:** 3, **Lab:** 0

Operations Management I (3) Introduction to organizational and managerial problems in the area of operations. Topics include forecasting, inventory, scheduling, operations planning, and control. Three hours of lecture per week. Prerequisites: MGSC 239 and 60 semester credit hours completed.

**Prerequisite(s):** MGSC 239

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.

## **MGSC 303 Operations Management II (3 Credits)**

**Lecture:** 3, **Lab:** 0

Operations Management II (3) Design, operation, and control of the transformation process in both service and production settings. Topics include: quality assurance, aggregate planning, and queuing analysis.

Three hours of lecture per week. Prerequisite: MGSC 302.

**Prerequisite(s):** MGSC 302

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.

## **MGSC 331 Business Statistics II (3 Credits)**

**Lecture:** 3, **Lab:** 0

Business Statistics II (3) Special topics in statistics, including regression, correlation, analysis of variance, time series, and non-parametric statistics as related to statistical decision theory applied to business problems. Three hours of lecture per week. Prerequisites: MGSC 239.

**Prerequisite(s):** MGSC 239

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.

## **MGSC 440 Supply Chain Management (3 Credits)**

**Lecture:** 3

A course in Supply Chain Management.

**Prerequisite(s):** MGSC 302 and MIS 340

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.