



COURSE TITLE : **OPERATIONS MANAGEMENT**

COURSE NUMBER : **DSCI 310**

CREDITS : 3

PREREQUISITE : MATH 210

ECTS CREDITS : 6

OFFERED : FALL & SPRING

SEMESTER HOURS : 36

COURSE DESCRIPTION :

This course provides second year students with the broad concepts that make up the field of Operations Management. It focuses on the design, operation and control of productive systems.

COURSE OBJECTIVES :

To increase student understanding of the problems and opportunities faced by the operations manager in manufacturing and service organizations. To develop an ability to apply operations management concepts in a variety of settings. To develop an understanding of operations management techniques in order to be able to evaluate recommendations made by technical specialists in the field.

INSTRUCTIONAL METHODOLOGY :

The course is developed through lectures, discussion and numerical problem solving sessions. Students are expected to participate in class discussion. Will be covered in class :

- Productivity & Competitiveness
- Product Design & Process Selection
- Quality Control System
- Forecasting
- Capacity Planning & Location
- Job Design & Work Measurement
- Project Planning & Control
- Inventory Systems

TEXT : ***Operations Managment***, Johnston, Financial Times, 6th Edition, 2010

EVALUATION :

The final grade will be made up of a class participation and homework (25%), a mid-term test (35%) and the final examination (40%).