

Business Administration

Course Number: BUAD 315

Course Title: MANAGEMENT SCIENCE

Credits: 3

Calendar Description: Management science is a discipline that aids decision-making by applying a scientific approach to managerial problems. This course discusses quantitative methods and their extensive applications in business. Topics include linear programming, project scheduling, waiting line models, inventory management, simulation, Markov process, decision analysis, and forecast(v)8.9(eDm)-6(a.s)8.9E-2()11.289 -1.14 (

Professors

Name	Phone number	Office	Email
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Learning Outcomes

Upon completion of this course students will be able to:

- Show understanding of the scientific approach and how to apply systematic methodologies in solving managerial problems that guide decision making.
- Identify appropriate techniques for managing business problems and correctly interpret the results of analysis through critical thinking.
- Recognize and explain specific problems including their components and assumptions and solve them using linear programming.
- Use MS Excel to create quantitative models of management problems and insert appropriate statistical functions in Excel.
- Solve typical problems using formulas and tables.

Course Objectives

This course will cover the following content including:

- Apply and use systematic methodologies in solving managerial problems that guide decision making.
- Identify and apply appropriate techniques for managing business problems and correctly interpret the results of analysis through critical thinking.
- Use linear programming to solve specific management related problems.
- Use MS Excel to create quantitative models of management problems and insert appropriate statistical functions in Excel.
- Solve typical problems using formulas and tables.

Evaluation Procedure

Assignments and Quizzes	20%
Mid-term Exam	40%
Final Exam	40%
Total	100%

Notes

There will be no make-up or supplementary exams.

Required Texts/Resources

