

Business Administration

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| 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 forecasting. Use of computer software is an integral part of this course. <i>(also offered by Distance Education)</i> |
| Semester and Year: | Fall 2019 |
| Prerequisite(s): | STAT 124 or 121 and minimum third-year standing |
| Corequisite(s): | No |
| Prerequisite to: | BUAD 491 |
| Final Exam: | Yes |
| Hours per week: | 6 |
| Graduation Requirement: | BBA - |

Course Schedule

| Date | | Topic | Textbook |
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| | | Wednesday, Sept 4 - Classes Start Monday, October 14 – Thanksgiving (no classes) Monday, November 11 – Remembrance Day (no classes) Wednesday, December 4 – Last Day of Regular Classes | |
| Week | Date | | |
| 1 | Sept 3 / 5 | Introduction to Management Science | Ch 1 App 1.1, 1.2 |
| 2 | Sept 10 / 12 | Probability Distributions Self Study: Ch 3: Q 1, 3, 4, 9, 14, 18, 24, 29, 30 (where possible, use EXCEL to solve these problems) | Ch 3 |
| 3 | Sept 17 / 19 | Decision Analysis Self Study: Ch 4: 1, 3, 5, 7, 8, 14, 16 (where possible, use MS or Excel to solve these problems; use EXCEL for #16a) | Ch 4 App 4.1 |
| 4 | Sept 24 / 26 | Introduction to Forecasting Self Study: Ch 6: 5, 7, 8, 9, 13, 17 (where possible use MS or Excel to solve these problems) | Ch 6 |

