

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 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
		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

