

**COURSE CODE:** BUAD 315

**COURSE TITLE:** Management Science

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## 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. (also offered by Distance Education)

**Prerequisite(s)** : STAT 124 or 121 and minimum third-year standing

**Co-requisite(s):** None

**Prerequisite For:** BUAD 491

**Substitutable Courses:** None

**Graduation Requirement:** BBA Required

**Transfer Credit:** N/A

**Special Notes:** None

**Credits:** 3

**Hours per Week:** 6

## Learning Outcomes

Outcome	Upon completion of this course students will be able to:
1	Explain the scientific approach of how to apply systematic methodologies in solving managerial problems that guide decision making.
2	Identify and apply appropriate techniques for managing business problems and correctly interpret the results of analysis through critical thinking.
3	Recognize and explain specific problems including their components and assumptions and solve them using linear programming.
4	Use MS Excel to create quantitative models of management problems and insert appropriate statistical functions in Excel.
5	Solve typical problems using formulas and tables.

## Course Objectives

Objectives	This course will cover the following content See weekly Course schedule
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## Professors

Name	Phone Number	Office	Email
Michael Conyette (Course Captain)	ext. 2231	E220	<a href="mailto:mconyette@okanagan.bc.ca">mconyette@okanagan.bc.ca</a>

## Evaluation Procedure

Assignment and Quizzes	20 %
Midterm Exam	40 %
Final Exam	40 %
<b>Total</b>	<b>100 %</b>

## Required Materials

Anderson, D. R., Sweeney, D. J., Williams, T. A., Camm, J.D., & Martin, K. (2015). Quantitative Methods for Business (13th ed.), Cincinnati, OH: SouthWestern

Students require access to Microsoft EXCEL.

Students will have optional access to TreePlan EXCEL add

## Notes

There will be no makeup or supplementary exams.



## Skills Across the Business Curriculum

The Okanagan School of Business promotes core skills across the curriculum. These skills include reading, written and oral communications, computers, small business, and academic standards of ethics, honesty and integrity.

## Student Conduct and Academic Honesty

### **What is the Disruption of Instructional Activities?**

At Okanagan College (OC), disruption of instructional activities includes student "conduct which interferes with examinations lectures, seminars, tutorials, group meetings, other related activities, and with students using the study facilities of OC" as well as conduct that leads to property damage, assault, discrimination, harassment and fraud. Penalties for disruption of instructional activities include a range of sanctions from a warning and/.9 (t)6.f(es)2.3 ( i)6.0.9 ( di24 ( a )69 (t3.2 (ot)6.7 (i)6.9 (v)3e o)-5