BUSINESS SCHOOL

Course Outline 2019

OPSMGT 760: ADVANCED OPERATIONS SYSTEMS (15 POINTS)

Semester 1 (1193)

Course prescription

OPSMGT 760 is core course in the postgraduate programme in Operations and Supply Chain Management. Course provides a deeper understanding of managing internal and external supply chains. Importance of language processing in proactive improvement is emphasised.

Course advice

As a module of Bachelor of Commerce (Honours) degree, this course is designed to help the student arrive at a suitable thesis topic and methodology, as well as explore on certain issues in operations and supply chain management in a depth beyond the normal B Com degree.

Goals of the course

OPSMGT 760 prepares students to appreciate critically published research in supply chain management and related issues, and provides an important opportunity for students to write a research proposal to improve the internal and external service aspects of business. Production and operations decisions can provide major competitive advantage. The focus is on the methods of building a comprehensive enterprise system.

The goals are to achieve a greater understanding of:

- Supply chain management and its relationship with operations management

- Information systems and decision support technology in supply chain and operations management

- Techniques for gathering and understanding the "voice of the customer" in developing new products

- Learn critically the status and application of supply chain management concepts in New Zealand.

Learning outcomes (LO)

By the end of the course, it is expected that students will be able to:

#	Learning outcome	Graduate profile capability*
LO1	Independently develop a sound Master level research proposal in line with accepted research conventions and principles.	1. Disciplinary knowledge and practice 2. Critical thinking 5a. Independence 5b. Integrity
LO2	Critique published research articles in supply chain management and related issues bringing out their content, strengths and weaknesses	1. Disciplinary knowledge and practice 2. Critical thinking
LO3	Write and present a research proposal and critiques of scientific papers using effective verbal and non-verbal techniques and following the required writing style conventions	4a. Communication (Oral) 4b. Communication (Written)
LO4	Develop a clearer understanding of the link between creativity and innovation management; choosing appropriate software to design supply chain networks	1. Disciplinary knowledge and practice 2. Critical thinking 3. Solution seeking
LO5	Analyse the components of sustainable supply chain design and lean inventory management for Supply chains	2. Critical thinking 6. Social and environmental responsibilities
LO6	Develop a critical awareness of research led findings in the field of SCM and appreciate the importance of Language in SCM to propose a novel research project.	1. Disciplinary knowledge and practice 2. Critical thinking 3. Solution seeking

* See the graduate profile this course belongs to at the end of this course outline.

Content outline

Module	Week Beginning	Topic*	Assessment due this Week
Module 1	Monday March 4	Nature and objectives of the course; Assessment methods, Introduction to System Dynamic perspective of Operations and Supply Chain Management; How to do a critique of an article?	
Module 2	Monday March 11	Supply Chain Management- Principles and Strategy	
Module 3	Monday March 18	SCM cont.	**Critique 1 report due before 22 March 23:59**
Module 4	Monday March 25	Proactive Improvement, Language in thought and action; Semantics; Collaboration and communication	
Module 5	Monday April 1	**Presentation of Critique 2 in class** Inventory Management in Supply Chains I	
Module 6	Monday April 8	**Test 1 in class** Inventory Management in Supply Chains II	**Critique 2 report due before 8 April 23:55** **Thesis concept proposal due before 12 April 23:59**
	MID SEMESTER BREAK		
Module 7	Monday April 29	Supply Chain Network Design	
Module 8	Monday May 6	Coopetition and Supply Chain Management	
Module 9	Monday May 13	Sustainability and SCM	
Module 10	Monday May 20	Creativity, Innovation Management;	
Module 11	Monday May 27	**Thesis Proposal Presentation in class**	
Module 12	Monday June 3	**Test 2 in class;** Concluding Session	**Thesis Proposal Report due before 7 June 23:59**

Learning and teaching

Classes will be held at OGGB, City Campus.

Weekly time requirements:

- Lectures: 3 hours per week- Fridays 9 AM – 12 Noon.
- Venue: OGGB- Room 205
- Coursework consists of readings and discussions, two critiques of articles/ research reports, two tests, and a thesis proposal.
- The total workload for the course is expected to be 15 hours per week for an average participant. Each week, this time consists of three hours of class work, with the remaining time equally split between, reading/study, and assignments. To make the class more valuable, you should have read and thought through the material assigned to each class in the content outline.

Teaching staff

Lecturer: Associate Professor Tiru S Arthanari
Office: OGGB 453
Tel: 373-7599 (ext. 84857)
Mob: 021 1095979
Email: t.arthanari@auckland.ac.nz

Teaching Assistant: Moyi Chi
Email: moyichicmy@hotmail.com

Learning resources

There is no required text book for this course. Readings from a variety of sources will be provided as the course progresses, as no single book serves the requirements of this course. These articles, selected lecture notes, student-faculty discussions will be the primary learning resources in this course.

Assessment information

Assessment task	Weight %	Group and/or individual	Submission
Critique 1	10%	Individual	Yes Dates given in Content Outline
Critique 2	10%	Individual	Yes
Critique 2 Presentation	5%	Individual	Yes

Assessment task	Weight %	Group and/or individual	Submission
Concept proposal Proposal Presentation Proposal Report	10% 5% 40%	Individual	yes
Test 1 Test 2	10% 10%	Individual	yes

Pass requirements

To gain a pass for this course, students are required to achieve 50% or greater in the course.

Description of assessment tasks

Assessment task	Learning outcome to be assessed
Critique 1: Read and understand a research article and write a critique bringing out the strength, weaknesses and your summary.	2
Critique 2: Read and understand a research article and present your critique bringing out the strength, weaknesses and your summary. Also write a report using the feedback received during presentation.	2
Thesis proposal and presentation: The main purpose of this course. Write a concept proposal of your planned research. Based on the feedback write and present a critical, novel proposal for research. Give your motivation, literature review, and research questions. Explain how you plan to answer the research questions, giving a research design and outline possible outcomes of the research.	1,3, and 6
Tests: Your understanding of the topics covered and discussed in class, will be tested in two 2-hour sessions during the course.	4,5, and 6

Inclusive learning

Students are urged to discuss privately any impairment-related requirements face-to-face and/or in written form with the courses convenor/lecturer and/or tutor.

Academic integrity

The University of Auckland will not tolerate cheating, or assisting others to cheat, and views cheating in coursework as a serious academic offence. The work that a student submits for grading must be the student's own work, reflecting his or her learning. Where work from other sources is used, it must be properly acknowledged and referenced. This requirement also applies to sources on the worldwide web. A student's assessed work may be reviewed against electronic source material using computerised detection to provide an electronic version of their work for computerised review.

Student feedback

In this course student feedbacks are routinely used to change the design and delivery of the course. Students are also encouraged to know their learning styles and to use that knowledge to help the lecturer arrive at the right mix of the course delivery and class

assessment methods. Student evaluations are a source of inspiration for continuously improving the course and be relevant to the stakeholders' expectations.

In the event of an unexpected disruption

We undertake to maintain the continuity and standard of teaching and learning in all your courses throughout the year. If there are unexpected disruptions, the University has contingency plans to ensure that access to your course continues and your assessment is fair, and not compromised. Some adjustments may need to be made in emergencies, In the event of a disruption, the University and your course coordinators will make every effort to provide you with up to date information via Canvas and the University website.

Graduate profile for BCom (honours)

The following six themes represent the capabilities that the Business School seeks to foster in all of its graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

Bachelor of Commerce (Honours)

Graduate Profile
1. **Disciplinary knowledge and practice**   Graduates will be able to apply specialised knowledge within their discipline to demonstrate an advanced awareness and understanding in a global context.
2. **Critical thinking**   Graduates will be able to analyse and evaluate the relevant literature, and develop well-reasoned arguments that demonstrate advanced and diverse thinking.
3. **Solution seeking**   Graduates will be able to identify, frame and analyse issues and develop innovative evidence- based solutions.
4. **Communication and engagement**   Graduates will be able to engage, communicate and collaborate with diverse groups using multiple formats.
5. **Independence and integrity**   Graduates will be able to demonstrate independent thought, self-reflection, ethics and integrity.
6. **Social and environmental responsibility**   Graduates will consider, in relation to their discipline, the potential significance of the principles underpinning both the Treaty of Waitangi and sustainability.