

PROGRAMME SPECIFICATION MSC MANAGEMENT OPERATIONS SCIENCE

1. QUALIFICATION MASTER OF SCIENCE	2. PROGRAMME TITLE MANAGEMENT OPERATIONS SCIENCE	3. COURSE CODE	4. PROGRAMME TYPE MODULAR. FULL-TIME AND PART TIME
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5. MAIN PURPOSE AND DISTINCTIVE FEATURES OF THE PROGRAMMES

The programme addresses the need for highly educated people who can contribute to business success at the interface between business information systems, supply chain management, and e-business. Its aim is to assist students to develop the capacity to exploit OPERATIONS management for competitive advantage.

This is achieved by:

Providing a broad-based, academically rigorous programme of study.

Developing an ability in students to plan for their own personal and professional development.

Developing, at postgraduate level, transferable knowledge and skills in the implementation of bis, scm or, e-business, that will assist students ability to contribute to an organisation's competitiveness in a rapidly changing, global, business environment.

Encouraging students to recognise the need for lifelong learning, and helping them to develop critical, analytical, problem-solving and conceptual model-building skills.

Engendering an intellectual inquisitiveness, and developing qualities of initiative, enterprise and creativity.

6. WHAT A GRADUATE SHOULD KNOW AND BE ABLE TO DO ON COMPLETION OF THE PROGRAMME

To gain the qualification, the learner will have demonstrated (i) subject knowledge and Understanding (ii) personal and professional development planning skills (iii) cognitive skills (iv) discipline-related practical and professional skills

And (v) other general skills and capabilities (e.g. Key/transferable/common) as specified

In the learning objectives/outcomes for approved modules in the programme. Further Details of module outcomes can be found in the programme document.

Knowledge and understanding in the Context of the subject

Demonstrate understanding of concepts and principles.

Describe the current status of business, management and information systems or e-business, or scm technology.

Explain issues and trends

Discuss approaches and methods for Development, operation and support of Operations management.

Identify and use sources of information in relation to current status and future

Developments.

Subject-specific practical/professional Skills

Apply the subject specific knowledge and understanding to business situations.

Select and utilise appropriate methods, techniques and tools.

Employ risk assessment strategies in situations of uncertainty.

Make sound, professional, judgements that

Are sensitive to ethical, environmental and other relevant factors.

<p>Cognitive skills in the context of the Subject(s)</p> <p>Independent learning, enquiry, research And citation Analysis, critical appraisal and evaluation Synthesis and integration Conceptualisation, problem-solving and Model-building Initiative, enterprise, innovation and Creativity</p>	<p>Other skills (e.g. Key/transferable) Developed in subject or other contexts</p> <p>Self-development Self-management Working with others, teamwork, and Leadership Expression, communication and interpersonal Skills Numeric and quantitative skills Personal and professional development planning skills.</p>
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7. QUALITIES, SKILLS & CAPABILITIES PROFILE

The educational and training goals of the programmes seek to develop and demonstrate the following qualities, skills, capabilities and values in its graduates

A. Cognitive	B. Practical	C. Personal & Social	D. Other
<p>Intellectual inquisitiveness Critical analysis Numeracy Conceptualisation Synthesis and integration Originality Vision</p>	<p>Investigate and undertake research Analyse, evaluate & make judgements Solve problems Build conceptual models Design, construct, assemble & test systems Communicate using a variety of media Train and coach others</p>	<p>Develop self Motivate self and others Work with others Respect others' views Interact socially Negotiate Manage change Develop the ability to reflect upon personal/professional development requirements and plan/monitor improvement activities.</p>	<p>Professional and ethical</p>

8. SUBJECTS STUDIED, LEVELS, CREDITS AND QUALIFICATIONS

(Duration and structure of programme/modules of study/credit volume of study units)

12 months full-time (2 semesters (maximum 3 modules per semester), plus 3 months)

3 years part-time (Part-time – 6 semesters (Maximum two modules per semester))

Modules = 20 credits

Dissertation = 60 credits

9. LEARNING, TEACHING AND ASSESSMENT

Strategy

Learning and teaching methods

Lectures, practical work, directed reading and research, independent reading and research, tutorials, seminars, case studies, small projects.

Assessment methods

Linked to the learning outcomes of the module.

Modules assessed by one assignment and one examination, equally weighted. Assignment, essay of approximately 3500 words. Alternatively, a combination of practical work and associated narrative (proposal/design, explanation/analysis and evaluation) requiring similar effort. Examination. 2 hours, case study or unseen.

However for physical supply chain management module the assessment is through a research paper, and an oral conference style presentation (30 minutes including 5 minutes of questions). The two assessment components are equally weighted.

Dissertation. Approximately 14,000 – 20,000 words

Assessment classification system

The pass mark for assessment is 40%.

Where a module comprises more than one assessment component a pass is awarded only if the student achieves a pass in both components, except that a marginal fail (35-39%) in one component will be condoned if the average of the

10. Other information

Start dates

Students may begin their studies at the Beginning of either semester (September or February).

Admission criteria

Entrants will normally have an honours degree.

An applicant without this level of academic Qualification, but who has extensive, Appropriate and recent experience may be

Admitted to the postgraduate certificate and, If successful in attaining this award, may then progress to the diploma and then the msc. To ensure that each student's programme of study has coherence we undertake careful counselling prior to the student joining the programme.

A student may gain academic credit for prior learning, confirmed by appropriate documentary evidence, through cats. This learning must have taken place within the preceding 5 years.

All applicants are interviewed to establish that they have the:

1. Motivation, maturity, willingness to assume responsibility, and personal capacity for hard work.
2. Commitment and capability of cooperating and communicating regularly in the study groups.
3. Capability to understand, read and write in English - the language used throughout the study and assessment activities. Two components is 40% or more.

There are no classifications above pass.

Indicators of quality and standards

All assignments and examination papers are moderated internally and externally.

A representative sample of all marked student work is moderated internally and externally. Dissertations are marked by two examiners, and internally/externally moderated.