

## MODULE DESCRIPTOR

<b>MODULE TITLE</b>	Operations Planning and Control		
<b>Module Code</b>	25-6065-00L		
<b>Level</b>	6		
<b>Credit Points</b>	20		
<b>Indicative Assessment Components &amp; Percentage Weightings</b>	50% Coursework 50% Examination		
<b>Pre-Requisite Modules (if applicable)</b>			
<b>Delivered according to Standard Academic Calendar</b>	<b>Long: 2 semesters</b>	<b>Short: 1 semester</b>	<b>Other delivery pattern: <i>Please specify</i></b>
YES / NO	YES	NO	

### 1 MODULE AIMS

The aims of this module are to:

- equip students with detailed knowledge of a range of planning and control methods/tools, applicability of these tools, and conditions under which a tool can be applied;
- enable students to apply appropriate planning and control tools to generate valid solutions to assist operations planning and control activities;
- develop students' numerical analytical skills to provide sound solutions to operations planning and control activities; and
- help students to gain the ability to interpret and present solutions in a management context.

### 2 MODULE LEARNING OUTCOMES

**BY THE END OF THE MODULE, YOU WILL BE ABLE TO:**

1. Assess different planning and control tools for suitability and practicality
2. Apply a set of operations planning and control tools to the problems provided
3. Evaluate and interpret the results generated
4. Analyse the conditions and assumptions associated with a tool and the results
5. Recommend sound suggestions to solve/improve planning and control issues in organisations

### 3 INDICATIVE LEARNING, TEACHING AND ASSESSMENT ACTIVITIES

- lectures to provide knowledge of methods/tools illustrated using examples;
- seminar exercises involving the application of tools to problems provided and the generation of solutions by individual students;
- seminar discussions based on solutions generated or case study materials provided;
- guided self-managed study before and after delivered classes including reading relevant content in recommended texts on the reading list and other reading; and
- assessed through individual report with written feedback provided and the end of module examination

### **ASSESSMENT STRATEGY AND METHODS**

<b>Task No.</b>	<b><u>TASK DESCRIPTION</u></b>	<b>SI Code</b>	<b>Task Weighting %</b>	<b>Word Count / Duration</b>	<b>In-module retrieval available</b>
1	Coursework	CW	50%	3000 words	
2	Exam	EX	50%	2 hours + 10 minutes reading time	

#### **4 INDICATIVE MODULE CONTENTS / TOPICS**

Operations planning and control in general

- independent demand and dependent demand; planning and control stages and activities.

Capacity planning and control

- capacity measures and planning.

Project planning and control

- project planning using network analysis and project evaluation and control using project performance indicators.

MRP and JIT

- MPR calculation procedures; JIT philosophy, techniques and tools.

Inventory planning and control

- order level and associated models.

Supply chain planning and control

Quality planning and control

- process capability; different control charts.

### **FURTHER INFORMATION ABOUT THIS MODULE**

**FURTHER/ADDITIONAL INFORMATION IS AVAILABLE TO SUPPORT THIS MODULE, INCLUDING ASSESSMENT CRITERIA DETAILING HOW YOUR PERFORMANCE IN THE MODULE WILL BE ASSESSED, WHO YOU WILL RECEIVE FEEDBACK, DETAILS OF LEARNING RESOURCES AND KEY READINGS**

**THIS INFORMATION CAN BE FOUND IN THE OPERATIONS PLANNING AND CONTROL MODULE GUIDE ISSUED AT THE BEGINNING OF THE DELIVERY AND THE ON-LINE LEARNING BLACKBOARD SITE AND ASSESSMENT BRIEFS**

**NOTE THIS ADDITIONAL INFORMATION MAY BE SUBJECT TO CHANGE FROM YEAR TO YEAR**

**FINAL TASK**

<p><b>According to the Assessment Strategy shown in the Module Descriptor, which task will be the LAST TASK to be taken or handed-in? (Give task number as shown in the Assessment Strategy)</b></p>	<p>Task No. 2</p>
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**MODULE REFERRAL STRATEGY**

<p><b>Task for Task (as shown for initial assessment strategy)</b></p>	<p>Y</p>
<p><b>Single Referral Package for All Referred Students</b></p>	<p>N</p>

**REVISIONS**

<p><b>Date</b></p>	<p><b>Reason</b></p>
<p>July 2012</p>	<p>Assessment Framework review</p>
<p></p>	<p></p>