

<b>Module Code:</b>	ONL716
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<b>Module Title:</b>	Project and Operations Management
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<b>Level:</b>	7	<b>Credit Value:</b>	15
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<b>Cost Centre(s):</b>	GABP	<b>JACS3 code:</b>	N213
		<b>HECoS code:</b>	100812

<b>Faculty</b>	Faculty of Social & Life Sciences North Wales Business School	<b>Module Leader:</b>	Dr Ben Binsardi
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Scheduled learning and teaching hours	15 hrs
Guided independent study	135 hrs
Placement	0 hrs
<b>Module duration (total hours)</b>	<b>150 hrs</b>

<b>Programme(s) in which to be offered (not including exit awards)</b>	Core	Option
MBA Project Management	✓	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

<b>Pre-requisites</b>
None

**Office use only**

Initial approval: 12/07/2019  
With effect from: 23/09/2019  
Date and details of revision:

Version no: 1

Version no:

**Module Aims**

*This module aims to develop students' understanding and knowledge on how to manage production processes, how firms achieve a competitive advantage through improving the processes involved in delivering superior products and services and by increasing efficiencies.*

**Intended Learning Outcomes**

## Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

**At the end of this module, students will be able to**

## Key Skills

1	Provide a critical insight into the production functions of an organisation such as operations management, operations performance and operations strategy.	KS1	KS6
		KS2	KS8
		KS3	KS9
2	Undertake appropriate production and inventory analyses and propose strategic recommendations to improve both effectiveness and efficiency.	KS1	KS6
		KS2	KS7, KS8
		KS3	KS9, KS10
3	Identify appropriate techniques to manage risk and recovery as well as design and deliver a company's operation successfully	KS1	KS5
		KS3	KS6, KS8
		KS4	KS9, KS10
4	Critically evaluate the production and supply chain performance of an organisation.	KS1	KS5, KS6
		KS3	KS7, KS8
		KS4	KS9, KS10

**Transferable skills and other attributes**

Written skills, problem solving skills, information technology skills and digital literacy, research skills, learning to learn (managing personal and professional development, self-management) and numeracy skills

**Derogations**

None

**Assessment:**  
Indicative Assessment Tasks:

**Assignment 1 (Essay) (30%) (circa 1,000 words)**  
**SUPPLY CHAIN OPERATIONS**

**Assignment 2 (Report) (35%) (1,000 words)**  
**THE CRITICAL PATH METHOD (CPM)**

**Assignment 3 (Report) (35%) (1,000 words)**  
**THE ECONOMIC ORDER QUANTITY (EOQ)**

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or word count (or equivalent if appropriate)
1	1	<b>Essay</b>	30%	1,000 words
2	3 and 4	<b>Report</b>	35%	1,000 words
3	2	<b>Report</b>	35%	1,000 words

**Learning and Teaching Strategies:**

- 1) Online (pre-recorded) video lectures will critically outline general concepts, theories and principles. Students will be given a hyperlink to the video, so that they can watch the video at their own learning pace.
- 2) Online (pre-recorded) video seminars and activity-based sessions will use real-life examples to bridge relevant theories with practice. These online seminars are a useful platform to focus on a particular topic.
- 3) Either online quizzes or online discussion will be used to encourage and stimulate students' online collaboration and learning progression.
- 4) The spirit of online learning is that students will be encouraged to undertake self-directed study, online collaboration and further research on selected topics, to acquire additional perspectives that will provide them with a deeper understanding of the topics covered.

**Syllabus outline:**

The module will be delivered over seven weeks as follows

	<b>Acquisition</b>	<b>Practice and collaboration</b>
	<b>Learning through acquisition</b> is what learners are doing when they are listening to a lecture or podcast, reading from books or websites, and watching demos or videos	<b>Learning through practice</b> enables the learner to adapt their actions to the task goal, and use the feedback to improve their next action. Feedback may come from self-reflection, from peers, from the teacher, or from the activity itself, if it shows them how to improve the result of their action in relation to the goal.
	<b>Refer the textbook:</b> Slack, N. and Brandon-Jones, A. (2019). Operations Management, 9 <sup>th</sup> Edition, London, UK, Publisher: Pearson.	<b>Learning through collaboration</b> embraces mainly discussion, practice, and production. Building on investigations and acquisition it is about taking part in the process of knowledge building itself.
<b>We 1</b>	<b>Introduction to operations management</b>	<ul style="list-style-type: none"> <li>• <b>Practice Quiz 1</b></li> <li>• <b>Online discussions 1</b></li> </ul>

2	Introductory Design	<ul style="list-style-type: none"> <li>• Practice Quiz 2</li> <li>• Online discussions 2</li> </ul>
3	Intermediate Design	<ul style="list-style-type: none"> <li>• Practice Quiz 3</li> <li>• Online discussions 3</li> </ul>
4	Introductory Planning and Control	<ul style="list-style-type: none"> <li>• Practice Quiz 4</li> <li>• Online discussions 4</li> </ul>
5	Intermediate Planning and Control	<ul style="list-style-type: none"> <li>• Practice Quiz 5</li> <li>• Online discussions 5</li> </ul>
6	Advanced Planning and Control	<ul style="list-style-type: none"> <li>• Practice Quiz 6</li> <li>• Online discussions 6</li> </ul>
7	Improvement	<ul style="list-style-type: none"> <li>• Practice Quiz 7</li> <li>• Online discussions 7</li> </ul>

### Indicative Bibliography:

#### Essential reading

Slack, N. and Brandon-Jones. (2019). *Operations Management*, 9th Edition, London, UK, Publisher: Pearson.

#### Recommended (optional) reading

Heizer, J., Render, B. and Munson, C. (2016). *Principles of Operations Management: Sustainability and Supply Chain Management*, Global Edition Paperback, New York, USA, Publisher: Palgrave,

#### Operations Management: Theory and Practice's websites:

<https://www.ais-cpa.com/what-is-operations-management-theory/>

<https://catalogue.pearsoned.co.uk/educator/product/Operations-Management/9781292098678.page>

<https://www.pearson.com/us/higher-education/product/Heizer-Companion-Website-for-Operations-Management-10th-Edition/9780135107195.html>