



University of
Nottingham

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**Department of Mechanical, Materials and Manufacturing
Engineering**

MMME3049 Engineering Management 2

Introduction & Course Synopsis

2023





Welcome to Engineering Management 2!

- Teaching team
- Overview of module content
- Module delivery
- What's on moodle
- Assessment in the module

Meet the teaching team



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Dr Mike Clifford
(convener)



Mike Walsh



Dr Martin Baumers

Overview of module content

Provides students with an introduction to usable concepts of relevance in the broad field of engineering management, consisting of the following:

- Week 20 (Tue): Introduction and course synopsis (Mike Clifford)
- Week 20 (Fri): The economics of digitalization and automation (Mike Walsh)
- Week 21 (Tue): Operations management (Martin Baumers)
- Week 21 (Fri): Financial planning (Martin Baumers)
- Week 22 (Tue): Introduction to financial accounting (Martin Baumers)
- Week 22 (Fri): Financial analysis (Martin Baumers)
- Week 25 (Tue): Lean (Mike Walsh)
- Week 25 (Fri): Quality management (Mike Walsh)
- Week 26 (Tue): Management of people (Mike Walsh)
- Week 26 (Fri): Introduction to contract law (Mike Clifford)
- Week 27 (Tue): Technology, innovation and disruption (Mike Walsh)
- Week 27 (Fri): Marketing (Martin Baumers)
- Week 28 (Tue): Business modelling (Martin Baumers)
- Week 28 (Fri): New business formation (Martin Baumers)

Module delivery

- The module has a credit weight of 20 credits
- The module will be delivered in 13 two-hour lecture engagements
 - There will be one introduction and one revision session
- The lectures will at the following times:
 - **TUESDAYS, 9.00am to 11.00am, Physics B1**
 - **FRIDAYS, 9.00am to 11.00am, Physics B1**
- There will be an short optional ExamSys practice test following each Friday lecture

MMME3049 Module structure (2022-23)

MMME3049 (20 credits)	Syllabus weeks, as per UoN calendar, all session with a 2.00h duration, all in Physics B1																						
	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	Exam period						
Lecture	Introduction and course synopsis (Mike Clifford)	P009 Operations management w/o Lean (Martin Baumers)	P013 Introduction to financial accounting (Martin Baumers)			L010 Lean (Mike Walsh)	P010 Management of people (Mike Walsh)	P005 Technology, innovation and disruption (Mike Walsh)	P007 Business modelling (Martin Baumers)	Easter vacation (Wks 29-32)								Revision session					
Date / time	Tue 31/1/23, 0900	Tue 7/2/23, 0900	Tue 14/2/23, 0900			Tue 7/3/23, 0900	Tue 14/3/23, 0900	Tue 21/3/23, 0900	Tue 28/3/23, 0900													Tue 16/5/23, 0900	
Lecture	P004 The economics of digitalization and automation (Mike Walsh)	P013 Financial planning (Martin Baumers)	P014 Financial analysis (Martin Baumers)			B012 Quality management (Mike Walsh)	Intro to contract law (Mike Clifford)	B011 Marketing (Martin Baumers)	P008 New business formation (Martin Baumers)														
Date / time	Fri 3/2/23, 0900	Fri 10/2/23, 0900	Fri 17/2/23, 0900			Fri 10/3/23, 0900	Fri 17/3/23, 0900	Fri 24/3/23, 0900	Fri 31/3/23, 0900														
Formative ExamSys practise tests	5-question practice test, to be set on day of second lecture	5-question practice test, to be set on day of second lecture	5-question practice test, to be set on day of second lecture			5-question practice test, to be set on day of second lecture	5-question practice test, to be set on day of second lecture	5-question practice test, to be set on day of second lecture	5-question practice test, to be set on day of second lecture														
Summative ExamSys assessments					1.00h ExamSys exam (40% weight)												2.00h ExamSys exam (60% weight)						

... any changes will be communicated via moodle!

Textbook

- Baumers, M. and Dominy, J., 2021. *Practical Management for the Digital Age: An Introduction for Engineers, Scientists, and Other Disciplines*. Boca Raton: CRC Press
- Most lectures in second and third year management teaching in M3 are based on this (MMME2049, MMME3049, MMME2032, and MMME3075)
- Available in the library (hardcopy & ebook) and for purchase
- Contains references to further reading and additional review questions

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PRACTICAL MANAGEMENT FOR THE DIGITAL AGE
An Introduction for Engineers, Scientists, and Other Disciplines
Martin Baumers
Jenell Dominy

Module: MMME2049 MMME3049
MMME2032 MMME3075

RRP: £74.99 You save: £25.00
Blackwell's Price: £49.99

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What you will find on moodle

- Presentations, Echo360 lecture recordings and other course materials for each lecture
- Access links to the ExamSys practice tests and last year's exam papers (once available)
- Module announcements
- Information and instructions for the assessment
- Access to the Engineering Management 2 Q&A Forum



[Engineering Management 2 Q&A Forum](#)

This forum is a venue to ask questions regarding the content and assessment of the Engineering Management 2 course.



How the module will be assessed

This module will be assessed using ExamSys



- What is ExamSys?
 - ExamSys is UoN's e-assessment system
 - It is a flexible software platform that can be used for many different types of assessment
 - It can be used in formative and summative assessments
- It is a Computerised Classification Testing (CCT) system



Note about rebranding:

In November 2022, UoN's e-assessment system was renamed from "Rogō" to "ExamSys".

Apart from changes to policy and URLs, the disruption to students should be minimal.

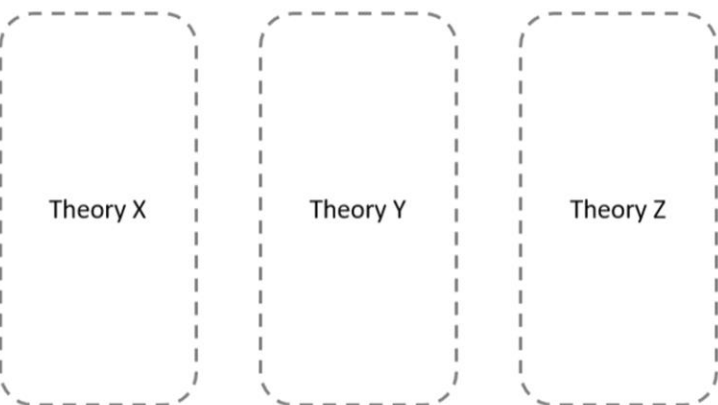
This is how it looks like...

ExamSys: Assessment — Mozilla Firefox
https://examsys.nottingham.ac.uk/paper/start.php?id=282311647258115152746&mode=preview

MMME3049 Rogo Practice Test - Managing People P012 2021-2022

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1. Associate the following statements about staff with Theory X and Theory Y in McGregor's framework and Theory Z in Ouchi's framework by clicking on the most appropriate boxes.

A Staff see work as a challenge	
B Staff have little motivation	
C Staff dislike their work	
D Managers should trust their staff	
E Staff are disciplined and hard-working	
F Staff are knowledgeable about their company	
G Staff need frequent rewards	
H Staff need to be supported by the company	

(4 marks)

2. Is the following statement true or false:

Experienced female managers show no differences in leadership abilities from experienced male managers. These women, in fact, are likely to closely resemble their male counterparts in drive, skills, temperament and competitiveness.

True False

In this module, there will be two ExamSys exams

- This exam will together make up 100% of your final mark
 - **Exam 1: In-term ExamSys exam**, 1.00h duration, 40% weight (date to be released). This exam covers the material presented in lectures 1 - 6
 - **Exam 2: ExamSys exam**, 2.00h duration, 60% weight (Spring assessment period, TBA). This exam covers the material presented in lectures 7 - 14. NOTE THAT CONTRACT LAW IS NOT COVERED IN THIS EXAM
- Information about the exams is provided on moodle
- Contract Law will be assessed separately in an on-line test
- Practice tests do not count towards your mark

..... More information on moodle



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**We hope you enjoy
the course!**