



Module Specification

Strategic Analysis of Technical Operations

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Part 1: Information

Module title: Strategic Analysis of Technical Operations

Module code: UFMF78-15-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Engineering Design & Mathematics

Partner institutions: None

Field: Engineering, Design and Mathematics

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes

Outline syllabus: Business models;

strategy-driven operations;

Business environment - industry, market and customer;

Operational and business change;

Business improvement

Part 3: Teaching and learning methods

Teaching and learning methods: Teaching and learning will be conducted via interactive workshops, lecturing, and case studies. Further e-learning material will be provided to support both taught and distance and work-based learning.

Scheduled learning includes lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion etc. Scheduled sessions may vary slightly depending on the module choices you make.

Placement learning: may include a practice placement, other placement, year abroad.

Contact Hours: Combination of lectures and workshops resulting in a total of 36 contact hours

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Demonstrate detailed knowledge of the technical operations of an organisation from a business perspective. (Task A&B)

MO2 Demonstrate strategic management thinking and decision-making. (Task A&B)

MO3 Identify and analyse a diverse range of issues that affect the technical operations environment. (Task A&B)

MO4 Apply theories and techniques of change that can be applied to organisations to improve strategic business operations and achieve sustainable success. (Task A&B)

MO5 Critically evaluate the impact of change on a given organisation with engineering operations. (Task A&B)

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/UFMF78-15-M.html) via the following link

<https://uwe.rl.talis.com/modules/UFMF78-15-M.html>

Part 4: Assessment

Assessment strategy: The assessment for this module is as follows:

The assessment for this module involves a real-world case study where students are asked to understand the strategic operational challenge. Students are expected to work in groups to analyse the case and present a solution.

A group presentation is used to facilitate collaborative learning. Following the presentation students will be provided with feedback to support the writing of an individual technical business operation report of 3000 words in length.

A transparent published method is in place for identifying students' contribution to group work. This peer assessed process is moderated by the module leader.

Resit is the same as the first sit

Resit deliverable(s) will be scaled appropriately to group size and task complexity

Assessment tasks:

Presentation (First Sit)

Description: Group presentation (15 mins)

Weighting: 25 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO5

Report (First Sit)

Description: Individual report (3000 words)

Weighting: 75 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Presentation (Resit)

Description: Group presentation (15 mins)

Resit deliverable(s) will be scaled appropriately to group size and task complexity

Weighting: 25 %

Final assessment: No

Group work: Yes

Learning outcomes tested:

Report (Resit)

Description: Individual report (3000 words)

Weighting: 75 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Engineering Management [Frenchay] MSc 2023-24

Engineering Management [Frenchay] MSc 2023-24

Engineering Management [GCET] MSc 2023-24

Engineering Management [GCET] MSc 2023-24

Engineering Competence {Apprenticeship-UWE} [Frenchay] PGDip 2023-24

Engineering Competence {Apprenticeship-UWE} [Frenchay] PGDip 2022-23