

# WM951-15 Technology Management

**24/25**

**Department**

WMG

**Level**

Taught Postgraduate Level

**Module leader**

Devon Allcoat

**Credit value**

15

**Module duration**

4 weeks

**Assessment**

100% coursework

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

The module provides useful insights to help current and future managers and technologists consider the role of technology plays in supporting current and future business, and how to manage the technology from concept to disposal.

[Module web page](#)

### Module aims

The module aims to provide an appreciation of the role that technology plays in business and industry, from both a local and international perspective.

It integrates knowledge and leading edge thinking on the topic and offers insights into how technology is managed in industry, with relevant case studies and simulations to embed the learning.

### Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

- Technology definitions & classifications
- Technology strategy
- Technology management frameworks
- Technology tools & techniques, including technology road mapping
- Readiness assessments & competency frameworks
- Case studies
- Simulations

## Learning outcomes

By the end of the module, students should be able to:

- Appraise how technology can best be integrated in pursuit of commercial success
- Critically analyse the business within the wider context through an evidence based approach
- Evaluate the technology competence and needs of a business to identify appropriate technology choices
- Effectively apply an approach for managing technology in an organisation as a team
- Demonstrate the application of tools and techniques to identify and deliver technological change at an acceptable risk

## Indicative reading list

Schilling, M - Strategic Management of Technological Innovation, McGraw Hill, 6th edition, 2020  
 Cetindamar, D., Phaal, R., Probert, D. - Technology Management, Activities & Tools, European Institute for Technology and Innovation Management, 2010

[View reading list on Talis Aspire](#)

## Subject specific skills

technology decision making  
 technology strategy development & evaluation (incl roadmapping)  
 technology justification  
 technology management

## Transferable skills

communication skills  
 team working  
 adaptability  
 decision making  
 critical thinking  
 problem solving  
 leadership  
 creativity & innovation  
 time management

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# Study

## Study time

Type	Required
Lectures	10 sessions of 1 hour (7%)
Seminars	17 sessions of 1 hour (11%)
Online learning (scheduled sessions)	3 sessions of 1 hour (2%)
Online learning (independent)	20 sessions of 1 hour (13%)
Private study	40 hours (27%)
Assessment	60 hours (40%)
Total	150 hours

## Private study description

Literature research.

## Costs

No further costs have been identified for this module.

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## Assessment

You do not need to pass all assessment components to pass the module.

### Assessment group A7

	Weighting	Study time
Case Study Work A	20%	12 hours
Case study work. This includes introduction, group analysis and discussion, finished with a group presentation. The maximum presentation time for any one presentation is 10 minutes. Marked collectively if contribution is equal, or may be individually adjusted based on different contribution levels.		
Case Study Work B	20%	12 hours
Case study work with introduction, group analysis and discussion. Requires student application of technology management tools and techniques to the case study. The maximum presentation time for any one presentation is 15 minutes. Marked collectively if contribution is equal, or may be individually adjusted based on different contribution levels.		
Final Assessment	60%	36 hours

## **Weighting**

## **Study time**

Written assignment: choice of questions, choose one.

## **Feedback on assessment**

Written feedback will be provided in a report for all Post Module assignments. Feedback for the case studies will be given verbally during the module with written feedback for all in-module components provided in a summary table within a week of the face to face part of the module.

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## **Availability**

### **Anti-requisite modules**

If you take this module, you cannot also take:

- WM047-10 Service Support Technologies
- WM9J3-15 Service Support Technologies

## **Courses**

This module is Core optional for:

- Year 1 of TWMS-H1S4 Postgraduate Taught e-Business Management (Full-time)