

## MODULE DESCRIPTOR

### Module Title

Quality Management

Reference	ASM505	Version	1
Created	May 2021	SCQF Level	SCQF 11
Approved	December 2021	SCQF Points	15
Amended		ECTS Points	7.5

### Aims of Module

To enable the student to have an advanced understanding of quality management and regulation within clinical laboratories to improve quality.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Critically discuss the process of managing and improving all aspects of quality in an organisation.
- 2 Critically evaluate strategies in quality management in terms of their strengths and weaknesses and their implementation.
- 3 Demonstrate a critical understanding of the use of quality audit procedures.

### Indicative Module Content

Definitions of Quality; The role of Quality; Cost of poor quality; Quality frameworks; Laboratory Quality management systems; Laboratory accreditation; ISO 15189; ISO 22367; ISO 22870; Medicines and Healthcare products Regulatory Agency; Quality Assurance; Calibration; Quality control; Quality tools; Reference materials; Validation; Verification; Traceability; Measurement of uncertainty; Cultures of quality; Document control systems; Writing Standard Operating Procedures (SOPs); Audit; Continuous improvement; External quality assessment; Benchmarking; Occurrence management; Corrective and preventative action plan; Automated Systems; Laboratory Information Management Systems (LIMS).

### Module Delivery

This module is delivered online with a mix of lectures and tutorials supplemented by directed reading and seminars.

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	10	10
Non-Contact Hours	140	140
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

**ASSESSMENT PLAN**

*If a major/minor model is used and box is ticked, % weightings below are indicative only.*

**Component 1**

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3
Description:	Students will be asked to undertake an audit of practice and critically assess the outcome.				

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

This module is assessed using the one component detailed in the Assessment Plan. To pass this module, candidates must achieve a Module Grade D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	A
<b>B</b>	B
<b>C</b>	C
<b>D</b>	D
<b>E</b>	E
<b>F</b>	F
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	None, in addition to course entry requirements or equivalent.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 Oakland, J., Oakland, R. and Turner, M., 2020. *Total quality management and operational excellence*. 5th ed. Routledge.
- 2 Beckford, J. 2016. *Quality: A critical introduction*. 4th ed. London: Routledge
- 3 Goetsch, DL., and Davis, S. 2014. *Quality Management for Organisational Excellence: Introduction to Total Quality*. 7th ed. Essex: Pearson
- 4 Detailed lists are provided by academic staff to reflect the subject matter.