

Full Title	Technical Writing with Case Studies		
Status	Uploaded to Banner	Start Term	2017
NFQ Level	08	ECTS Credits	05
Module Code	MGMT08057	Duration	Semester - (13 Weeks)
Grading Mode		Department	Physical & Life Sciences
Module Author	Seamus Lennon		

Module Description

This module will provide the students with the knowledge and skills involved in writing technical documents. A number of industrial case studies will also be studied during this module. This will facilitate the analysis of topical issues in quality and will involve guest lecturers.

Learning Outcomes

On completion of this module the learner will/should be able to:

1. Collect, analyse, document and report technical data clearly, concisely, logically, honestly and ethically.
2. Apply the concept of writing technical documentation to suit the technical competence of the target audience.
3. Critique graphics and text.
4. Apply their knowledge of quality management to interpret case studies based on quality issues that may arise within an industrial setting and identify how these issues may be resolved.
5. Work as a team to interpret, analyse, solve and report in a technical document on quality issues/problems which are presented as case studies.

Indicative Syllabus

Types of technical documentation, various types and formats. Matching the content to the client and the task.

Standardizing language and approaches when working with multiple authors.

Writing research publications.

Overview of the regulatory background regarding documentation requirements

Case studies representing quality issues in industry

Problem solving techniques in quality

Presenting case study outcomes in writing and orally

Teaching and Learning Strategy

This module will commence with lectures on technical writing, and there will be a number of small assignments involving technical writing which will allow for quick formative feedback. Approximately mid-semester, case studies will commence, which will involve presentations on topical quality issues and guest lecturers will be used for some case studies. Students will analyse the case studies and complete written and oral reports on the case studies.

Assessment Strategy

This module is 100% CA, and a number of assignments will assess the technical writing skills of the learners. The case studies will be assessed by the completion of oral and written assignments.

Repeat Assessment Strategies

Repeat assignments and repeat assessments will be available

Indicative Coursework and Continuous Assessment:		100 %		
Form	Title	Percent	Week (Indicative)	Learning Outcomes
Assignment	Assignment - Technical writing 1	10 %	Week 6	1,2,3
Assignment	Assignment - Scientific Paper	20 %	Week 9	1,2,3
Assignment	Assignment - Work based technical writing project	30 %	Week 11	1,2,3,4,5
Assignment	Assignment - Technical writing and oral presentation of case studies	40 %	Week 13	1,2,3,4,5

Part Time Delivery Mode Average Weekly Workload:			2.00 Hours		
Type	Description	Location	Hours	Frequency	Weekly Avg
Lecture	Lecture	Not Specified	2	Weekly	2.00

Recommended Reading Book List

Pringle, S., (2009). *Technical Writing 101: A Real-World Guide to Planning and Writing Technical Content* Scriptorium Publishing Services, Inc..

ISBN 0970473362 ISBN-13 9780970473363

Laplante, A., (2011). *Technical Writing*. CRC Press. 2011.. CRC Press.

ISBN 1439820856 ISBN-13 9781439820858

Morgan, K., (2015). *Technical Writing Process: The simple, five-step guide that anyone can use to create technical documents such as user guides, manuals, and procedures*. Technical Writing Process.

ISBN 0994169310 ISBN-13 9780994169310

Lindsell-Roberts, S., (2011). *Technical Writing For Dummies*. For Dummies.

Programme Membership

GA_SQUAG_H08 201700 Bachelor of Science (Honours) in Quality For Industry

GA_SQMDG_N08 201700 Certificate in Quality for the Medical Device Industry