CIT — Institiúid Teicneolaíochta Chorcaí — Cork Institute of Technology

Module Details

Title:	Writing for Industry APPROVED
Long Title:	Writing for Industry

Module Code:	COMP9096	Duration:	1 Semester

Credits:	5

NFQ Level:	Expert

Field of Study:	Computer Science

Valid From:	Semester 1 - 2022/23 (September 2022)

Module Delivered In	2 programme(s)

Module Coordinator:	Sean McSweeney

Module Author:	Eoin ORegan

Module Description:	This module focuses on effective technical communication practices for industry contexts. Students combine industry domain knowledge with the communication skills learned in the program to produce a variety of industry-specific content to engage different user audiences. Students learn about content types for use in software, hardware, and operations in industries that involve data and statistical analysis for research and automation, devices, and regulated processes.

Learning Outcomes

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

LO1	Appraise the types of written communications for the industries and technologies covered through hands-on projects.
LO2	Develop the ability to apply writing styles, templates, formats, and approaches to industry-standard content deliverables.
LO3	Categorise the different contexts in the industries covered for communicating technical information for software, hardware, and operations.
LO4	Compose audience-specific, industry-based communication strategies.
LO5	Examine the standards, processes, and governance in regulatory communications, and the impacts of emerging technologies (Artificial Intelligence (AI) and Machine Learning (ML) on writing for industry.

Pre-requisite learning

Module Recommendations
This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named MTU module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).

No recommendations listed

Incompatible Modules
These are modules which have learning outcomes that are too similar to the learning outcomes of this module. You may not earn additional credit for the same learning and therefore you may not enrol in this module if you have successfully completed any modules in the incompatible list.

No incompatible modules listed

Co-requisite Modules

No Co-requisite modules listed

Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.*
No requirements listed

CIT Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

Module Content & Assessment

Indicative Content
Information types and contexts in industry Evaluate information products generated for software, hardware, and operations in industries that involve data and statistical analysis for research and automation, devices, and regulated processes. Identify information trends in industry. Understand the audience expectations of users, admins, developers, employees, and vendors of industry content. Analyze writing instructions in multiple industry contexts such as for health care, medical devices, pharmaceutical, and others.
Information design and structure in industry Identify styles, templates, presentations, and approaches in industry-specific content. Apply analysis to the design and structure of industry content types such as Standard Operating Procedures (SOPs), Application Programming Interfaces (APIs), Release Notes, and Software Development Kits (SDKs). Best practices for planning, writing, and managing content for print and online channels in industry.
Information design for emerging technology Intersection of Information industry with technology industry. Role of Information Architect and Content Strategist. Supporting new and emerging technologies in automation and machine learning. Use of artificial intelligence (AI) and Natural Language Processing (AI and computational linguistics) in select industries. Supporting cloud paradigm approaches. Supporting voice recognition software.
Writing for the regulated industries Examine policies, standards, and processes against appropriate legislation, regulation, frameworks, standards, and industry best practices. Developing instructions for creating and managing clinical protocols and trials, new drug applications, and other submissions documents such as Corrective and Preventive Action Plans (CAPAs).

Assessment Breakdown	%
Course Work	100.00%

Course Work				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Reflective Journal	Reflective journal focused on a critical review of student's learning.	1,2,3,4,5	40.0	Every Second Week
Project	Design and develop content types for different industries applying concepts learned in lectures.	2,4	60.0	Week 12

No End of Module Formal Examination

Reassessment Requirement
Coursework Only *This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.*

The institute reserves the right to alter the nature and timings of assessment

CIT Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

Module Workload

Workload: Full Time

WorkLoad Type	WorkLoad Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Lecture delivering theory underpinning learning outcomes	2.0	Every Week	2.00
Tutorial	Tutorial to support learning outcomes	1.0	Every Week	1.00
Independent Learning	Independent Study	4.0	Every Week	4.00
			Total Hours	7.00
			Total Weekly Learner Workload	7.00
			Total Weekly Contact Hours	3.00

Workload: Part Time

WorkLoad Type	WorkLoad Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Lecture delivering theory underpinning learning outcomes	2.0	Every Week	2.00
Tutorial	Tutorial to support learning outcomes	1.0	Every Week	1.00
Independent Learning	Independent Study	4.0	Every Week	4.00
			Total Hours	7.00
			Total Weekly Learner Workload	7.00
			Total Weekly Contact Hours	3.00

Module Resources

Recommended Book Resources

- **Etter, Andrew 2016,** *Modern Technical Writing: An Introduction to Software Documentation*
- **Markel, Mike. Selber, Stuart A. 2021,** *Technical Communication*, **Thirteenth Edition Ed., MacMillan Learning [ISBN: 9781319459703]**

Supplementary Book Resources

- **Carey, M., Lanyi, M. M., Longo, D., Radzinski, E., Rouiller, S., Wilde, E. 2014,** *Developing Quality, Technical Information: A Handbook for Writers and Editors*, **3rd Edition Ed., IBM Press [ISBN: 0133118975]**

This module does not have any article/paper resources

This module does not have any other resources

Module Delivered In	
Programme Code	*Programme Title*
CR_KINDD_9	Master of Science in Technical Communication (Approved)
CR_KIDDE_9	Postgraduate Diploma in Science in Technical Communication (Approved)