Module Specification

Cyber Security Consultancy

Version: 2024-25, v1.0, 24 Jan 2024

Contents

Part 1: Information

Module title: Cyber Security Consultancy

Module code: UFCE8C-15-3

Level: Level 6

For implementation from: 2024-25

UWE credit rating: 15

ECTS credit rating: 7.5

College: College of Arts, Technology and Environment

School: CATE School of Computing and Creative Technologies

Partner institutions: None

Field: Computer Science and Creative Technologies

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: This module addresses the skills and challenges of consultancy in the cyber security sector. The module will be informed by industry contributors, where students will explore the role of the cyber security consultant and the project management requirement. Working in conjunction with practitioners of the cyber security industry, students will be issued with a professional industry client and a project brief related to the organisation. Students will then need to develop collaborative teams that can address the project brief, providing regular feedback on

milestone objectives, and delivering an MVP (minimum viable product) that addresses the brief. Students will provide a group presentation to present their findings back to their industry client. They will also provide an individual reflective account of the process required to complete the project.

Features: Not applicable

Educational aims: This module is designed to build student engagement with industry and to develop their professional practice. Working with real project briefs, and being able to manage strict timescales will be crucial, and will allow students to experience the challenges and pressures of a real-world working environment. Furthermore, the tasks will address genuine challenges that cyber security professionals face today, and so students will be able to explore their creativity and problem solving skills, to propose novel solutions to complex problems.

Outline syllabus: Indicative outline syllabus
Introduction to the role of a Cyber Security Consultant
Industry Event and Project Scoping
Project Planning in Cyber Security
Interim poster presentation
Understanding Cyber Security from the Organisational perspective
Cyber Security Challenges
Industry pitch

Part 3: Teaching and learning methods

Teaching and learning methods: Teaching will be delivered in a variety of forms. We start with some initial lectures that help students to understand the premise they will be working within. We then have an interactive workshop session where students are expected to discuss with employers and learn about the challenges faced currently. Students will then be supported by additional lectures and discussion sessions, as well as by guest lectures and seminars. Finally, students will need to report their findings to their employer.

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

MO1 Demonstrate effective working as part of a collaborative team.

MO2 Effectively present information both orally and written, making clear the process and the rationale of the key decisions within the team.

MO3 Devise a clear project objective from client requirements and demonstrate a structured approach to solving a cyber security problem.

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 via the following link https://rl.talis.com/3/uwe/lists/6F7D65B2-650B-A845-E529-F892F4703B29.html?lang=en&login=1

Part 4: Assessment

Assessment strategy: 100% Group Presentation - A 30 minute group presentation to the client with Q&A. A group mark will be allocated to all members of the presentation, combined with an individual mark based on performance and reflective log.

The assessment strategy supports the learning outcomes of this module, enabling students to work effectively as part of a collaborative team and to work with a industry client on a challenging real-world project brief, helping to prepare students beyond their studies.

The assessment types enable both orally and written communication, communicating the project findings to the industry client succinctly.

As this is a group project, where each group will have a different client brief, we would expect there to be limited scope for plagiarism or malpractice.

Students will have a mid-point opportunity to liaise with their client, and gather formative feedback that should be carried into how their approach their final submissions.

The resit strategy will follow the same format as the main run, working in groups as allocated by the module team. A new "industry brief" will be issued, however, students will not have the same opportunities for industry engagement as they will have during the main module run due to the condensed time period and staffing availability.

Assessment tasks:

Presentation (First Sit)
Description: Group Presentation - A 30 minute group presentation to the client with Q&A. A group mark will be allocated to all members of the presentation, combined with an individual mark based on performance and reflective log.
Weighting: 100 %
Final assessment: Yes
Group work: Yes
Learning outcomes tested: MO1, MO2, MO3

Presentation (Resit)
Description: Group Presentation - A 30 minute group presentation to the client with Q&A. A group mark will be allocated to all members of the presentation, combined with an individual mark based on performance and reflective log.
Weighting: 100 %
Final assessment: Yes
Group work: Yes
Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Cyber Security and Digital Forensics [Frenchay] BSc (Hons) 2022-23

Cyber Security and Digital Forensics [NepalBrit] BSc (Hons) 2022-23

Cyber Security and Digital Forensics {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22