Module Descriptor

Title	Professional Development and Industry Internship		
Session	2026/27	**Status**	
Code	COMP11139	**SCQF Level**	11
Credit Points	60	**ECTS (European Credit Transfer Scheme)**	30
School	**Computing, Engineering and Physical Sciences**		
Module Co-ordinator	J Riordan		

Summary of Module

This module facilitates students' engagement in an employability-focused internship within the Advanced Drone Technology industry. It is designed to enable students to critically reflect on their practical experiences, integrate academic knowledge with practical skills, and enhance their professional capabilities. The module aims to prepare students for successful careers by developing their communication, organisational, and self-management skills, alongside a focus on career development and networking. The module culminates in a professional presentation, where students showcase their learning and development journey. Internships are award on a competitive basis and unsuccessful applicants will undertake the 60-credit MSc project dissertation module .

The module will involve:

- Module orientation and preparation for internships, including SMART target setting
- Development of Tripartite Agreement, Individual Learning Plans (ILPs) and project specification
- Early progress checks and reflective practices to monitor growth and learning
- Mid-internship review focusing on challenges, progress, and skill development
- Final report and presentation preparation, synthesising internship experiences
- Formal presentations and peer review, demonstrating key learning outcomes and professional growth

This module will work to develop a number of the key 'I am UWS' Graduate Attributes to make those who complete this module:

Universal

- Analytical: Through the development and execution of the Individual Learning Plan (ILP) and project specification, students will hone their analytical skills by identifying, defining, and solving complex problems within a professional setting. This attribute reflects their ability to critically assess situations and make informed decisions based on data and research.
- Collaborative: The module encourages strong collaboration between students, work mentors, and academic supervisors. This collaboration fosters teamwork and the ability to

work effectively in diverse professional environments, a key attribute for success in any career.

Work-Ready

- Problem-Solver: Students will apply theoretical knowledge to practical challenges during their internships, developing innovative solutions to real-world problems. This attribute is crucial as it prepares them to navigate the complexities of the professional world and adapt to dynamic work environments.
- Digitally Literate: Throughout the internship, students will utilize various digital tools for project management, data analysis, and professional communication. This attribute ensures they are equipped with the necessary digital skills to thrive in today's technologically driven workplace.

Successful

- Autonomous: The internship module requires students to work independently, manage their own projects, and take responsibility for their learning and professional development. This attribute highlights their ability to operate with a high degree of self-direction and accountability.
- Reflective: By maintaining reflective journals and engaging in structured reflection sessions, students will develop a deeper understanding of their professional growth and learning. This attribute is essential for continuous personal and professional development, enabling them to learn from experiences and apply these lessons in future endeavours.
- Resilient: Facing the challenges of a professional environment, students will develop resilience as they overcome obstacles, adapt to new situations, and manage the pressures of real-world work. This attribute is vital for long-term career success, as it enables them to maintain motivation and effectiveness even in difficult circumstances.

Module Delivery Method	**On-Campus**[1] ☐	**Hybrid**[2] ☐	**Online**[3] ☐	**Work -Based Learning**[4] ☒
Campuses for Module Delivery	☐ Ayr ☐ Dumfries	☒ Lanarkshire ☐ London ☐ Paisley	☒ Online / Distance Learning ☐ Other (specify)	
Terms for Module Delivery	Term 1 ☐	Term 2 ☐	Term 3 ☒	

[1] Where contact hours are synchronous/ live and take place fully on campus. Campus-based learning is focused on providing an interactive learning experience supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus contact hours will be clearly articulated to students.

[2] The module includes a combination of synchronous/ live on-campus and online learning events. These will be supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus and online contact hours will be clearly articulated to students.

[3] Where all learning is solely delivered by web-based or internet-based technologies and the participants can engage in all learning activities through these means. All required contact hours will be clearly articulated to students.

[4] Learning activities where the main location for the learning experience is in the workplace. All required contact hours, whether online or on campus, will be clearly articulated to students

Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

Learning Outcomes	
L1	Critically analyse and define complex problems within a professional context, establishing meaningful learning objectives through collaboration with academic and industry partners.
L2	Execute a research, development, or investigative project in an industry setting, applying theoretical knowledge to real-world challenges and achieving defined outcomes.
L3	Demonstrate advanced self-reflection and critical analysis skills, showing autonomy and adaptability in applying knowledge within dynamic professional environments.
L4	Synthesise internship experiences to critically evaluate professional growth, focusing on the development of problem-solving, communication, and time management skills
L5	Deliver a professional presentation that effectively communicates the outcomes of the internship, clearly presenting complex information to both specialist and non-specialist audiences

Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	**During completion of this module, there will be an opportunity to achieve core skills in:**
Knowledge and Understanding (K and U)	**SCQF 11** Demonstrate a critical understanding of the principal theories, concepts, and principles within the field of Advanced Drone Technology, specifically in the context of their practical application in industry settings. Show awareness of current issues and developments at the forefront of the discipline, incorporating cutting-edge research and technology into the internship experience.
Practice: Applied Knowledge and Understanding	**SCQF 11** SCQF Level 11 Apply a comprehensive range of specialised techniques and practices in the planning and execution of a defined project within an industrial context. This includes the use of advanced methodologies to address complex, real-world problems. Critically evaluate and integrate knowledge from multiple sources, both theoretical and practical, to generate innovative solutions and recommendations in a professional environment.
Generic Cognitive skills	**SCQF 11** Develop and demonstrate advanced critical analysis, evaluation, and synthesis skills, particularly in identifying and solving complex professional challenges within an industry-specific setting.

	Engage in critical self-reflection, assessing personal and professional development with the aim of continuous improvement and lifelong learning.
Communication, ICT and Numeracy Skills	**SCQF 11** Communicate complex ideas, findings, and recommendations clearly and effectively to both specialist and non-specialist audiences, utilising appropriate ICT tools and presentation techniques. Present data and findings with a high degree of numeracy and accuracy, ensuring clarity and precision in all communications, including written reports and oral presentations.
Autonomy, Accountability and Working with Others	**SCQF 11** Exercise substantial autonomy and initiative in managing a professional project, demonstrating the ability to work independently while also collaborating effectively with industry professionals and academic supervisors. Take responsibility for personal and professional development, actively seeking feedback, engaging in reflective practices, and demonstrating a commitment to ethical and professional standards.

Prerequisites	**Module Code**	**Module Title**
	Other	
Co-requisites	**Module Code**	**Module Title**

Learning and Teaching	
In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours.	
Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	**Student Learning Hours** (Note: Learning hours include both contact hours and hours spent on other learning activities)
Tutorial / Synchronous Support Activity	30
Practice-based Learning	450
Independent Study	120
Please select	
Please select	
Please select	
TOTAL	600

Indicative Resources
The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

All study materials will be provided on the VLE.
(N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements
In line with the Student Attendance and Engagement Procedure, Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time. **For the purposes of this module, academic engagement equates to the following:** Attending all timetabled synchronous classes and engagement with asynchronous learning activities and resources.

Equality and Diversity
The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: UWS Equality, Diversity and Human Rights Code. Aligned with the overall commitment to equality and diversity stated in the Programme Specifications, the module supports equality of opportunity for students from all backgrounds and with different learning needs. Using our VLE, learning materials will be presented electronically in formats that allow flexible access and manipulation of content (part-time and distant learning students should check with their programme leader for any queries). The module complies with University regulations and guidance on inclusive learning and teaching practice. Specialist assistive equipment, support provision and adjustments to assessment practice will be made in accordance with UWS policy and regulations.
(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

Supplemental Information

Divisional Programme Board	**Computing**
Overall Assessment Results	☐ **Pass / Fail** ☒ **Graded**
Module Eligible for Compensation	☐ **Yes** ☐ **No** **If this module is eligible for compensation, there may be cases where compensation is not permitted due to programme accreditation requirements. Please check the associated programme specification for details.**
School Assessment Board	Business And Applied Computing
Moderator	tbc
External Examiner	tbc
Accreditation Details	
Module Appears in CPD catalogue	☐ **Yes** ☐ **No**
Changes / Version Number	1.0

Assessment (also refer to Assessment Outcomes Grids below)

Assessment 1

Internship Report (60%)

Content: A detailed report equivalent to an 18k word dissertation analysing the internship experience, with a focus on problem-solving, project execution, and professional growth. The report should include:

Critical analysis of complex problems encountered during the internship and the strategies used to address them (LO1).

Evaluation of the project's outcomes, demonstrating the application of theoretical knowledge to practical challenges (LO2).

Reflection on professional growth, highlighting the development of autonomy, adaptability, and critical thinking (LO3, LO4).

Learning Outcomes Assessed: LO1, LO2, LO3, LO4

Assessment 2

Reflective Journal (20%)

Content: A journal maintained throughout the internship, documenting ongoing reflections on professional experiences, challenges, and skill development. The journal should focus on:

Self-reflection and critical analysis of the student's growth and learning process (LO3).

Synthesis of experiences to evaluate the development of key skills such as problem-solving, communication, and time management (LO4).

Learning Outcomes Assessed: LO3, LO4

Assessment 3

Professional Presentation (20 %)

Content: A formal presentation summarising the internship experience, including:

Overview of the project and its outcomes, demonstrating how complex problems were addressed (LO1, LO2).

Reflection on professional growth and the skills developed during the internship (LO4).

Effective communication of complex information to both specialist and non-specialist audiences (LO5).

Learning Outcomes Assessed: LO1, LO2, LO4, LO5

(N.B. (i) Assessment Outcomes Grids for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed.

(ii) An indicative schedule listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Component 1

Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Internship report	☒	☒	☒	☒	☐	60	2

Component 2

Assessment Type	LO1	LO2	LO3	LO4	LO5	Weighting of Assessment Element (%)	Timetabled Contact Hours
Reflective Journal	☐	☐	☒	☒	☐	20	2

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Professional Presentation	☒	☒	☐	☒	☒	20	2
Combined total for all components						100%	6 hours

Change Control

What	When	Who