



MODULE SPECIFICATION

Part 1: Information			
Module Title	Pilot and Airline Operations		
Module Code	UFMFAW-30-3	Level	Level 6
For implementation from	2022-23		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	
Department	FET Dept of Engineering Design & Mathematics		
Module Type:	Professional Practice		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description	
<p>Overview: Professional airline pilot today works in an extremely sophisticated and demanding world. After extensive training and proficiency check, when becoming an employee, he/she is still required to undertake continuous development, financial risk and complex legal and operational environment. This module introduces a future professional pilot to the regulatory framework that impact on a professional airline pilot from flight crew licensing to air operations.</p> <p>Educational Aims: Provide student-pilots with insights into the broader context of the airline industry, including air-carrier structure, certification and regulatory requirements, as well as, flight crew regulations.</p> <p>Outline Syllabus: Origins and source of international air law and regulations.</p> <p>Safety and quality in the aviation and aerospace industry.</p> <p>Certified organisations - foundations, mandatory structure and stakeholders, responsibilities and privileges.</p> <p>Air operators (AOC, AWC, SPO).</p> <p>Flight crew licensing - introduction to ATP training.</p> <p>The role, responsibilities and privileges of a crew member in the cockpit and the airline.</p>	

STUDENT AND ACADEMIC SERVICES

Pilot recruitment and assessment process.

Teaching and Learning Methods: Theoretical and formal knowledge is delivered via lectorial sessions. Besides meetings with representatives from the airline industry, training organisations and authorities supplement the content. It is followed by practical application via group sessions where case studies are analysed. Sample simulator sessions will be used.

Part 3: Assessment

The assessment consists of two components:

Component B consists of an essay where students reflect on the broad context of Pilot and Airline Operations allowing students to demonstrate:

a systematic understanding of the wider context in which pilots and airlines operate;
 an ability to find information related to piloting and airline regulations and certification;
 an appreciation of the uncertainty, ambiguity and limits of knowledge;

The second component involves two Pass/fail elements

The first set as an e-assessment that checks the knowledge and understanding of theoretical foundations.

The second to complete 20 hours of practical flight training.

First Sit Components	Final Assessment	Element weighting	Description
Professional Practice Report - Component A		0 %	An e-assessment on the principles of current regulation and organisation of the airline operator.
Professional Practice Report - Component A		0 %	20 hours of practical flight training
Reflective Piece - Component B	✓	100 %	At the end of the semester the students submit an individual reflective essay based on the outcomes of the group work exercises done across the semester.
Resit Components	Final Assessment	Element weighting	Description
Professional Practice Report - Component A		0 %	An e-assessment on the principles of current regulation and organisation of the airline operator.
Professional Practice Report - Component A		0 %	20 hours of practical flight training
Reflective Piece - Component B	✓	100 %	At the end of the semester the students submit an individual reflective essay based on the outcomes of the group work exercises done across the semester.

Part 4: Teaching and Learning Methods

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

Learning Outcomes	Module Learning Outcomes	Reference
	Manage their own learning and communicate creatively and effectively.	MO1
	Demonstrate sustained argument and problem solving relating to the current state-of-the-art of the discipline using established techniques of analysis and enquiry.	MO2

STUDENT AND ACADEMIC SERVICES

	Critically reflect on their learning in an academic and professional context, exhibiting an appreciation of the limits of knowledge and recognition of the value of continuing professional development.	MO3
	Express professional values of commercial airline pilot including initiative, personal responsibility, decision making and airmanship in cockpit and airline environment.	MO4
	Critically evaluate existing legal and procedural environment to make judgements and solve problems in a context of airline operator.	MO5
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	228
	Total Independent Study Hours:	228
	Scheduled Learning and Teaching Hours:	
	Lectorials	24
	Seminar	24
	Workshops	24
	Total Scheduled Learning and Teaching Hours:	72
Hours to be allocated	300	
Allocated Hours	300	
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://rl.talis.com/3/uwe/lists/C8C09931-E3D9-1A98-273C-C48788A08E9B.html?lang=en-US&login=1</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Aerospace Engineering with Pilot Studies [Sep][FT][Frenchay][3yrs] BEng (Hons) 2020-21

Aerospace Engineering with Pilot Studies [Sep][FT][Frenchay][4yrs] MEng 2020-21