

Module Title:	Aviation Legislation
Language of Instruction:	English
Credits:	10
NFQ Level:	7
Module Delivered In	No Programmes
Teaching & Learning Strategies:	This module will be taught by Lectures and Tutorials by using standard aircraft manuals, approved aviation materials and up-to-date legislation documents.
Module Aim:	The student will understand specific aircraft legislation documentation and how they affect and control all aspects of aircraft operations and maintenance engineering.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Explain the regulatory framework of (Inter)national authorities and the relationships between them
LO2	Understand the requirements for the design/production and certification of aircraft, parts and appliances
LO3	Understand the requirements of Part-66, 145 and Part-M and their application to the continued airworthiness/maintenance of aircraft
LO4	Understand the requirements of Part-66, 145 and 147 and their application to certifying staff
LO5	Describe the documentation required for continued aircraft operation and certification under EU-OPS & Part-M, Subpart G
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content
Regulatory Framework Role of International Civil Aviation Organisation (ICAO); Role of the European Commission; Role of EASA; Role of the Member States and National Aviation Authorities; Regulation (EC) No 216/2008 and its implementing rules Regulations (EC) No 748/2012 and (EC) No 1321/2014 Relationship between EU-OPS, Part-21, Part-145, Part-66, Part-147 and Part-M and Regulation (EU) No 965/2012
Certifying Staff - Maintenance Detailed understanding of Part-66.
Approved Maintenance Organisations Detailed understanding of Part-145 and part-M Subpart F
Air Operations General understanding of Regulation (EU) No 965/2012 Air Operators Certificates; Operators Responsibilities, in particular regarding continuing airworthiness and maintenance; Aircraft Maintenance Programme; MEL//CDL Documents to be Carried; Aircraft Placarding (Markings);
Certification of aircraft, parts and appliances General understanding of Part-21 and EASA certification specifications CS-23, 25, 27, 29 Documents. Certificate of Airworthiness; restricted certificates of airworthiness and permit to fly Certificate of Registration; Noise Certificate; Weight Schedule; Radio Station License and Approval
Continuing Airworthiness Detailed understanding of Part-21 provisions related to continuing airworthiness Detailed understanding of Part-M
Applicable National and International Requirements for (if not superseded by EU requirements) Maintenance Programmes, Maintenance checks and inspections; Master Minimum Equipment Lists, Minimum Equipment List, Dispatch Deviation Lists; Airworthiness Directives; Service Bulletins, manufacturers service information; Modifications and repairs; Maintenance documentation: maintenance manuals, structural repair manual, illustrated parts catalogue, etc.; Continuing airworthiness; Test flights; ETOPS, maintenance and dispatch requirements; All Weather Operations, Category 2/3 operations and minimum equipment requirements.

Assessment Breakdown	%
Continuous Assessment	30.00%
End of Module Formal Examination	70.00%

Continuous Assessment				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Short Answer Questions	Each student will take Sketch/Drawing/Short Answer-format Continuous Assessment exams, administered during term time for which a maximum of 30% will be awarded	1,2,3,4,5	30.00	n/a

No Project

No Practical

End of Module Formal Examination				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Each student will sit a formal written examination at the end of the module for which a maximum of 70% will be awarded.	1,2,3,4,5	70.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Every Week	2.00
Tutorial	Every Week	0.50
Total Hours		2.50

