

<b>Module Title:</b>	Aviation Legislation
<b>Language of Instruction:</b>	English
<b>Credits:</b>	5
<b>NFQ Level:</b>	7
<b>Module Delivered In</b>	<a href="#">1 programme(s)</a>
<b>Teaching &amp; Learning Strategies:</b>	This module will be taught by Lectures, Tutorials, Class/Group Discussions and the analysis of a range of maintenance data, manuals and up-to-date aviation legislation documents.
<b>Module Aim:</b>	The student will understand specific aircraft legislation documentation and how they affect and control all aspects of aircraft operations and maintenance engineering.
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Explain the relationships between the various (inter)national Aviation Regulatory Frameworks
LO2	Discuss the legal requirements affecting the design/production and certification of aircraft, parts and appliances, with particular focus on European Implementing Rules (Part-21)
LO3	Conceptualise and apply the main legislative requirements behind the continued airworthiness and maintenance of aircraft, with particular focus on European Implementing Rules (Part-66, Part-145 & Part-M)
LO4	Apply the main legislative requirements affecting staff involved in the certification of aircraft maintenance, with particular focus on European Implementing Rules (Part-66, Part-145, Part-M & Part-147)
LO5	Analyse the rationale behind the legal documentation required for aircraft operations & certification under EU-OPS, Part-M, Subpart G, & Part CAMO
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b>	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b>	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b>	
<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**

**General/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; Current European Implementing Rules and Regulations; Relationship between EU-OPS, Part-21, Part-145, Part-66, Part-147 and Part-M.

**Initial/Continuing Certification of Aircraft, Parts & Appliances**

General understanding of Part-21/Certification Specifications (CS-23, 25, 27, 29); (Restricted) Certificate of Airworthiness; Permit to Fly; Certificate of Registration; Noise Certificate; Weight Schedule; Radio Station License/Approval; Detailed understanding of Part-21 provisions related to Continuing Airworthiness

**Maintenance - Certifying Staff & Approved Maintenance Organisations**

Detailed understanding of Part-M, Part-66, Part-145 & Part-M Subpart F related to Maintenance

**Air Operations/International Requirements**

Air Operators Certificates; Operators Responsibilities, in particular regarding Continuing Airworthiness and Maintenance; AMP, Maintenance Checks/Inspections; MMEL/MEL; DDL; CDL; AD/SB; OEM Service Information; Modifications/Repairs; Documentation - MM, SRM, IPC, etc.; Continuing Airworthiness; Test flights; ETOPS, Maintenance/Dispatch requirements; All Weather Operations and Minimum Equipment Requirements; Documents to be Carried; Aircraft Placarding (Markings)

Assessment Breakdown	%
Continuous Assessment	50.00%
Project	50.00%

**Continuous Assessment**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Written Report	Each student will complete a range of tutorials during term time for which a maximum of 50% will be awarded	1,2,3,4,5	50.00	n/a

**Project**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Each student will complete a range of Research Activities culminating in a Written Portfolio, during term time, for which a maximum of 50% will be awarded	1,2,3,4,5	50.00	n/a

No Practical

No End of Module Formal Examination

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

**Module Workload**

<b>Workload: Full Time</b>		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	4.00
Independent Learning	15 Weeks per Stage	5.13
Total Hours		125.00

**Module Delivered In**

Programme Code	Programme	Semester	Delivery
CW_EEACS_D	<a href="#">Bachelor of Engineering in Aircraft Systems</a>	5	Mandatory