

<b>Module Title:</b>	Air Traffic Management and Services
<b>Language of Instruction:</b>	English
<b>Credits:</b>	10
<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, class discussion, readings and self directed learning.
<b>Module Aim:</b>	The aim of this module is to provide the student knowledge and understanding of the function and operations of ATMS relating to flight operations
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Demonstrate an understanding of the functions and roles of ATS and ATMS
LO2	Interpret the responsibilities of the various sections of ATS and ATMS in civil aviation
LO3	Understand airspace classification and Flight Rules
LO4	Outline the roles and functions of the Alerting service – Search and Rescue
<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

#### Civil Air Law and Regulation – Air Traffic Management Services

ICAO Annex 2, 4, 7, 9, 10, 11; EU policies and regulations; European Aviation Safety Agency (EASA); State Authorities and the airports under the control of the authority.

#### Types of Air Traffic Control

Aerodrome Control-ground movements; departure/arrival control; approach radar control; area radar control; flight information service (FIS).

#### Separation Standards

Responsibilities; separation standards; Use of Instrument Flight Rules (IFR) and Visual Flight Rules (VFR)

#### Airspace

Airspace construction; Classification of airspace; Controlled airspace; North Atlantic Track System (NATS); Impact of weather on the flow of air traffic

#### Government agencies

Role and operation of Irish Coast Guard Services Role; operation of Air Accident Investigation Unit (AAIU)

### Assessment Breakdown

Continuous Assessment

%

40.00%

End of Module Formal Examination

60.00%

### Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Essay	Interpretation	1,2,3,4	40.00	Ongoing

No Project

No Practical

### End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Learning Outcomes Assessed - All	1,2,3,4	60.00	End-of-Semester

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

**Module Workload**

<b>Workload: Part Time</b>		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Per Semester	1.28
Independent Learning Time	Per Semester	8.72
Total Hours		250.00

**Module Delivered In**

Programme Code	Programme	Semester	Delivery
CW_BSFOP_D	<a href="#">Bachelor of Science in Flight Operations</a>	3	Mandatory