

Module Title:	Transport of Dangerous Goods by Air		
Language of Instruction:	English		
Credits:	10		
NFQ Level:	6		
Module Delivered In	1 programme(s)		
Teaching & Learning Strategies:	This module will be taught by class lectures, class discussions and self-directed learning		
Module Aim:	The aim of this module is to provide the students with a detailed knowledge of the legislation, classification, international signage in the transportation of Dangerous Goods by air		
Learning Outcomes			
On successful completion of this module the learner should be able to:			
LO1	Describe the Classification of Dangerous Goods with reference to ICAO Annex 18		
LO2	Demonstrate an understanding of dangerous goods and the Limitations on the aircraft		
LO3	Discuss the limitations on the operator regarding the transport of Dangerous Goods		
LO4	Demonstrate an understanding of the use of signage relating to Dangerous Goods		
LO5	Discuss the handling responsibilities for Dangerous Goods by the shipper, Aircraft Operator and aircraft handler		
LO6	Demonstrate an understanding of the Emergency procedures relating to Dangerous Goods		
Pre-requisite learning			
Module Recommendations			
This is prior learning (or a practical skill) that is recommended before enrolment in this module.			
7580	LAWS H1S02	Civil Air Law and Regulations	
Incompatible Modules			
These are modules which have learning outcomes that are too similar to the learning outcomes of this module.			
No incompatible modules listed			
Co-requisite Modules			
No Co-requisite modules listed			
Requirements			
This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.			
No requirements listed			

Module Content & Assessment

Indicative Content

International Civil Aviation (ICAO) Annex 18

International Civil Aviation (ICAO) Annex 18 Safe Transport of Dangerous Goods by Air Requirements of the Shipper and the Airline Operator on the transport of Dangerous Goods in accordance with Annex 18 Irish Aviation Authority (IAA) Statutory Instrument S.I. No 224/1993 Air Navigation (Carriage of Munitions of War, Weapons and Dangerous Goods) and S.I. 130/1989 European Aviation Safety Agency (EASA) Commission Regulation No 965/2012 European regulation applicable to the transport of Dangerous Goods by Air

Classification of Dangerous Goods

Definition; describe all 9 classifications; examples of each classification

Airline and Aircraft operators responsibilities

Definition of Air Operators Certificate; analysis of legal permissions to transport Dangerous Goods; Staff training; acceptance procedures; storage and loading; inspection and decontamination; documentation; detail for briefing for the pilot-in-command

Shippers responsibilities of Dangerous Goods by air

Packaging; Labelling; Documentation.

Flight Operations Officers/Flight Dispatchers responsibilities

Handling Information from ground crew; location and storage of dangerous goods on board the aircraft; emergency procedures and standard operating procedures (SOP); Logging and Reporting of Dangerous Goods accidents and incidents on aircraft and on ramp ; follow up actions in the event of air accident or incident including information by operator;

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	Assignment covering learning outcomes 1, 2, 3 & 4	1,2,3,4	40.00	Sem 1 End

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	1,2,3,4,5,6	60.00	End-of-Semester

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

Module Workload

Workload: Part Time		
<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	Bachelor of Science in Flight Operations	1	Mandatory