

<b>Module Title:</b>	Security Risk Management in an Operational Environment
<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>	A combination of methods including lectures, discussions, case studies, practical scenarios, readings and self-directed learning will be used.
<b>Module Aim:</b>	This module is designed to assist and enhance the students understanding and awareness of their responsibilities for safety risk management when operating in an aviation operational environment.
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Identify the security risks that arise in an aviation operating environment.
LO2	Perform risk assessments to identify the probability of negative outcomes and the severity of most likely negative outcomes using risk assessment matrices.
LO3	Describe the control measures to put in place to reduce identified security risks.
LO4	Demonstrate their competence in using the ICS to apply risk analysis/management techniques in the course of managing a practical simulation of an aviation security incident.
<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

#### Security risk identification

Identify the potential security risks in an aviation operational environment.

#### Perform risk assessments

Perform risk assessments to identify the probability of negative outcomes and severity of most likely negative outcomes utilising risk assessment matrices.

#### Control measures identification

Describe the control measures to put in place to reduce the risk of security incident occurrence.

#### Operational Risk Management

Generic Risk Threat Assessments: types of threats, exploiting aviation security weaknesses, risk analysis of possible threats Procedure: security management systems (SeMS), standard operating procedures, standard operating guidelines, communications resources Incident command system: Tactical Mode, Span of Control, implementing procedures

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

No Continuous Assessment

No Project

### Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Presentations of a variety of operational scenarios to be resolved on a syndicate basis	1,2,3,4	30.00	End-of-Semester

### End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Theory test	4	70.00	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	0.64
Independent Learning Time	Per Semester	4.36
Total Hours		125.00

**Module Delivered In**

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