

Module Title:	Commercial Pilot Licence (CPL)
Language of Instruction:	English
Credits:	10
NFQ Level:	7
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	Teaching will be conducted using briefings and practical work. At the end of each practical section, students will be debriefed as to their progress and will be graded accordingly.
Module Aim:	Migrating to a more complex aircraft as part of their training, students will build upon the Standard Operating Procedures and theory they have already learned and prepare for the CPL Skills test.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Recovering the aircraft from a stall or an abnormal attitude.
LO2	Make use of ADF equipment to determine a QDM or a QDR and to follow it if and when necessary.
LO3	Make use of the VOR equipment to determine a radial TO/FROM and track the exact radial to return back to his airport or to another more suitable destination. Understand the factors affecting good judgement.
LO4	Display an understanding of the proper procedures for entering and executing basic instrument flight manoeuvres.
LO5	Roll out from turns within $\pm 10^\circ$; altitude ± 100 ; airspeed ± 10 kts.
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				
Flight Controls Rolling, Yawing, Pitching, Power Adjustment, Mixture Adjustment.				
Flying Take-Off, Climb, Cruise, Descend, Landing, Short field landing,				
Airmanship Lookout, Aircraft Management, Radio procedures, Cockpit management, scanning instruments.				
Emergencies Stalls, Simulated single engine failure, slow flight, loss of communication procedures. Stalls with and without power, instrument failure, Adverse weather procedures, abnormal attitude recovery, critical attitudes.				
Navigation VFR Navigation, Cross Country. IFR Cross Country, Holding patterns, Circling, distance to a Navaid station, SID, STAR.				
ADF Orientation, Relative bearing, Homing, Station passage, QDM/QDR concept and practice, Limitations, Holding patterns, Type of holdings, Different holding entries (EM-30 / EM-31), Wind drift correction techniques, ADF approaches				
VOR / DME Orientation and interpretation, Concept, demonstration and practice of radial, heading and course, Station passage, TO/FROM concept and practice, Limitations.				
ADF/ VOR/DME Concept of position fixing and radio fixing, Demonstration and practice with two lines of position fixing, Relationship among OBS/HEADING/CDI, in the different phases of the holding entries.				
ILS ILS, CDI versus localizer				
Navigation IFR Cross Country, Holding patterns, Circling, distance to a Navaid station, SID, STAR				
Airmanship Cockpit management, scanning instruments				
Assessment Breakdown				%
Practical				100.00%
No Continuous Assessment				
No Project				
Practical				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Skills test	1,2,3,4,5	100.00	n/a
No End of Module Formal Examination				

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

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_EEPLT_D	Bachelor of Science in Pilot Studies	5	Group Elective 1