Course Title	**Professional Pilot Flight Training**				
Course Code	AVM312				
Course Type	Compulsory for Air Operations Specialization				
Level	Bachelor (1st cycle)				
Year / Semester	3rd Year / 1st Semester				
Instructor's name	TBA				
ECTS	10	Lectures / week	Min. 155 Hours of Flight Training (in five phases as described below)	Laboratories / week	None
Course Purpose and Objectives	The purpose of the Professional Pilot Flight Training course is to provide the student with the knowledge and practical skills required in order to pass the ATPL flight test. It aims to cover all the practical requirements of VFR flight as well as the Instrument Rating and Multi-Engine and Multi-Crew operations.				
Learning Outcomes	Upon successful completion of this course students should be able to: • Demonstrate knowledge and abilities required to successfully carry out all pre-flight operations • Demonstrate acceptable performance in carrying out all normal and abnormal flight operations on SEP or MEP aeroplanes. • Apply successfully all necessary navigational skills in carrying out cross-country flights • Demonstrate abilities of proper RT and Multi Crew communication • Demonstrate abilities to successfully carry out flight operations under IFR conditions				
Prerequisites	AVM111, AVM116	Co-requisites	None		
Course Content	The material included in this course is made up of flying instruction exercises divided into five phases: • **Phase 1: Exercises up to the first solo flight comprise a total of at least 10 hours dual flight instruction on an SE aeroplane including:** (i) pre-flight operations, mass and balance determination, aeroplane inspection and servicing; (ii) aerodrome and traffic pattern operations, collision avoidance and precautions; (iii) control of the aeroplane by external visual				

	references; (iv) normal take-offs and landings; (v) flight at critically low air speeds, recognition and recovery from incipient and full stalls, spin avoidance; (vi) unusual attitudes and simulated engine failure. • **Phase 2: Exercises up to the first solo cross-country flight comprise a total of at least 10 hours of dual flight instruction and at least 10 hours solo flight including:** (i) maximum performance (short field and obstacle clearance) takeoffs and short-field landings; (ii) flight by reference solely to instruments, including the completion of a 180 ° turn; (iii) dual cross-country flying using external visual references, DR and radio navigation aids, diversion procedures; (iv) aerodrome and traffic pattern operations at different aerodromes; (v) crosswind take-offs and landings; (vi) abnormal and emergency procedures and manoeuvres, including simulated aeroplane equipment malfunctions; (vii) operations to, from and transiting controlled aerodromes, compliance with ATS procedures, R/T procedures and phraseology; (viii) knowledge of meteorological briefing arrangements, evaluation of weather conditions for flight and use of AIS. • **Phase 3: Exercises up to the VFR navigation progress test comprise a total of at least 5 hours of dual instruction and at least 40 hours as PIC. The dual instruction and testing up to the VFR navigation progress test should comprise:** (i) repetition of exercises of phases 1 and 2; (ii) VFR flight at relatively critical high air speeds, recognition of and recovery from spiral dives; (iii) VFR navigation progress test conducted by an FI not connected with the applicant's training; (iv) night flight time including take-offs and landings as PIC. • **Phase 4: Exercises up to the instrument rating skill test comprise:** (i) at least 55 hours instrument flight, which may contain up to 25 hours of instrument ground time in an FNPT I or up to 40 hours in an FNPT II or FFS which should be conducted by an FI or an authorised SFI; (ii) 20 hours instrument time flown as SPIC; (iii) pre-flight procedures for IFR flights, including the use of the flight manual and appropriate ATS documents in the preparation of an IFR flight plan; (iv) procedures and manoeuvres for IFR operation under normal, abnormal and emergency conditions covering at least: (a) transition from visual to instrument flight on take-off; (b) SIDs and arrivals; (c) en-route IFR procedures; (D) holding procedures; (E) instrument approaches to specified minima; (F) missed approach procedures; (G) landings from instrument approaches, including circling. (v) in-flight manoeuvres and specific flight characteristics; (vi) operation of an ME aeroplane in the exercises of (iv), including operation of the aeroplane

	solely by reference to instruments with one engine simulated inoperative, and engine shut-down and restart (the latter training should be at a safe altitude unless carried out in an FSTD). • **Phase 5:** (i) instruction and testing in MCC comprise the relevant training requirements; (ii) if a type rating for MP aeroplanes is not required on completion of this part, the applicant will be provided with a certificate of course completion for MCC training.
Teaching Methodology	Minimum 155 Hours of Flight Training
Bibliography	• ATPL Flight Training Manual
Assessment	Examinations / Flight Test 100%
Language	English