



BURGOS
UNIVERSITY

FlyBy

SYLLABUS 2024 - 2025

YEAR 1

FIRST SEMESTER			SECOND SEMESTER		
	HOURS	LOCATION		HOURS	LOCATION
MATHEMATICS I	15	Theory Uni.	FLIGHT INSTRUCTION SE-VFR (Phase I + II)	47	Flight FlyBy
PHYSICS OF FLIGHT PRINCIPLES I	15	Theory Uni.	AIRCRAFT GENERAL KNOWLEDGE: INSTRUMENTS	35	Theory FlyBy
ICAO ENGLISH LANGUAGE LEVEL 4 (I)	15	Theory Uni.	AIRCRAFT GENERAL KNOWLEDGE: SYSTEMS	75	Theory FlyBy
KNOWLEDGE SKILLS AND ATTITUDES 100	30	Theory FlyBy	FLIGHT PERFORMANCE & PLANNING: PERFORMANCE	65	Theory FlyBy
FUNDAMENTALS OF PILOT I	104	Theory FlyBy	FLIGHT PERFORMANCE & PLANNING: MASS AND BALANCE	10	Theory FlyBy
FUNDAMENTALS OF PILOT II	108	Theory FlyBy	FLIGHT PERFORMANCE & PLANNING: FLIGHT PLANNING	30	Theory FlyBy
			METEOROLOGY	65	Theory FlyBy
			HUMAN PERFORMANCE & LIMITATIONS	40	Theory FlyBy
			ICAO ENGLISH LANGUAGE LEVEL 4 (I)	15	Theory Uni.

YEAR 2

THIRD SEMESTER			FOURTH SEMESTER		
	HOURS	LOCATION		HOURS	LOCATION
ICAO ENGLISH LANGUAGE LEVEL 4 (II)	30	Theory Uni.	MECHANICAL BEHAVIOR OF AEROSPACE MATERIALS	50	Theory Uni.
AIR NAVIGATION: RADIONAVIGATION	45	Theory FlyBy	HUMAN FACTORS AND RISK MANAGEMENT ONBOARD	40	Theory Uni.
AIR LAW	45	Theory FlyBy	PREVENTION OF RUNWAY INCURSIONS AND SAFE AIR-SIDE OPERATIONS (PICS)	30	Theory Uni.
AIR NAVIGATION: GENERAL NAVIGATION	90	Theory FlyBy	AIRPORTS	60	Theory Uni.
PRINCIPLES OF FLIGHT ATPL	50	Theory FlyBy	AIR NAVIGATION	60	Theory Uni.
COMMUNICATIONS	30	Theory FlyBy	ICAO ENGLISH LANGUAGE LEVEL 4 (II)	30	Theory Uni.
OPERATIONAL PROCEDURES	20	Theory FlyBy	FLIGHT INSTRUCTION SE-VFR (Phase IIIb)	39	Flight FlyBy
FLIGHT INSTRUCTION SE-VFR (Phase IIIa)	30	Flight FlyBy	FLIGHT INSTRUCTION SE-IR (Phase IV SPIC)	20	Flight FlyBy

YEAR 3

FIFTH SEMESTER			SIXTH SEMESTER		
	HOURS	LOCATION		HOURS	LOCATION
FLIGHT INSTRUCTION FNPT II (Phase IV SIM)	40	Flight FlyBy	FLIGHT INSTRUCTION MULTI ENGINE (Phase IV ME)	19	Flight FlyBy
UPSET RECOVERY TRAINING (UPRT) + AEROBATIC	13	Flight FlyBy	MULTI CREW COOPERATION (Phase V Theory)	30	Theory FlyBy
FUNDAMENTALS OF AIRCRAFT ENGINES	50	Theory Uni.	MULTI CREW COOPERATION (Phase V Flights)	50	Flight FlyBy
SECURITY MANAGEMENT SYSTEMS-ICAO	30	Theory Uni.	JET ORIENTED COURSE (JOC)	10	Theory Uni.
DESIGN AND MANUFACTURE OF AIRCRAFTS	50	Theory Uni.	AIR TRAFFIC MANAGEMENT (ATM)	60	Theory Uni.
ASTRONOMY AND ASTRONOMICAL NAVIGATION	20	Theory Uni.	DEGREE THESIS	90	Theory Uni.
CAREER OPPORTUNITIES	20	Theory Uni.	AIRLAINE AND AEROSPACE ENTERPRISES MANAGEMENT	50	Theory Uni.
WEALTH AND TAX MANAGEMENT	20	Theory Uni.	ICAO ENGLISH LANGUAGE LEVEL 5	30	Theory Uni.
AIRCRAFT MAINTENANCE	50	Theory Uni.	AIRBUS 320 OPERATION (A320-O)	20	Flight FlyBy
ICAO ENGLISH LANGUAGE LEVEL 5	30	Theory Uni.	BOEING 737 OPERATION (B737-O)	20	Flight FlyBy