



BURGOS
UNIVERSITY

FlyBy

SYLLABUS 2023 - 2024

YEAR 1

| FIRST SEMESTER | HOURS | LOCATION | SECOND SEMESTER | 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 | HOURS | LOCATION | FOURTH SEMESTER | 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 | Flight FlyBy |
| FUNDAMENTALS OF AIRCRAFT ENGINES | 50 | Theory Uni. | MULTI CREW COOPERATION (Phase V Flights) | 50 | Theory Uni. |
| 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 Theory Uni. |