



**CENTRO DE FORMACION AERONAUTICA
E-FTO-041**

Larrauri nº 1 (Edificio A- Planta 1)
Derio, 48160 – Vizcaya
Tel.: 94 657 99 22
www.flybai.es

PRIVATE PILOT COURSE – PPL (A)

Subject to any other conditions specified in the JARs, the privileges of the holder of a PPL (A) are to serve without remuneration, as pilot in command or co-pilot of any aircraft used in non-revenue flights.

1- REQUIREMENTS FOR ACCESS:

- a. Being older than 17 years.
- b. Medical certificate class 1 or 2.
- For aspiring commercial pilot licenses Pilots airplane or airline transport in a modular, we recommend obtaining a Class 1 medical certificate before the start of the course of PPL (A).
- List of authorized centers for medical examinations:
 - CLASS 1 (INITIAL):

**CENTRO DE INSTRUCCIÓN DE
MEDICINA AEROESPACIAL
(CIMA) (E-AMC-1001)**

Arturo Soria, 82
28027 Madrid
Teléfono: 91 410 13 13
Fax: 91 408 13 12

- CLASS 1 (ANNUAL) and CLASE 2 (INITIAL):

Goitia Gorostiza, Alfredo (E-AME-2034)

Clínica Euskalduna
C/Euskalduna, 10 6ª Planta
48008 Bilbao
Teléfono: 94 421 16 00
Fax: 94 410 06 60

Pérez de Ayala, Enrique (E-AME-2068)

Policlínica Guipúzcoa
Paseo de Miramón, 174
20009 San Sebastian
Teléfono: 943 00 27 38 / 667 65 60
73
Fax: 943 00 28 58

**Rodríguez-Navas Iche, María
Blanca (E-AME-2026)**

C/ Pintor Pablo Uranga, 9, bajo.
01008 -Vitoria
Teléfono 945 24 48 60 / 639 66 86
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* Check requests for dates and application procedures at the school.

2.- THE COURSE:

Theoretical knowledge.

The theoretical program has a total of 9 subjects distributed as follows:

SUBJECT	CODE	TEACHING HOURS	SCHOOL EXAMS
AIR LAW	AL	18	1
AIRCRAFT GENERAL KNOWLEDGE	CGA	37	2
PERFORMANCES AND MASS AND BALANCE	MB/PERF	10	1
HUMAN FACTORS	HPL	15	1
METEOROLOGY	MET	20	2
GENERAL NAVIGATION	NG/NR	25	2
OPERATIONAL PROCEDURES	OP	10	1
PRINCIPLES OF FLIGHT	PV	15	1
COMMUNICATIONS	COM	20	1
TOTAL		170	12

Additionally, prior to beginning flight phase must overcome the following subjects:

- Analysis and maneuvers of the aircraft.
 - normal flight procedures.
 - emergency procedures.
- local Flight Standards.

Once the student has passed the examinations of the heart, the head of education authorize the same to be submitted to the next official examination session with the aeronautical authorities.



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INFORMACION OF THEORETICAL KNOWLEDGE EXAMINATION:

At least the exams will have a total of 120 questions.

SUBJET	TIME
AIR LAW	0:45
AIRCRAFT GENERAL KNOWLEDGE	0:30
PERFORMANCES AND MASS AND BALANCE	1:00
HUMAN FACTORS	0:30
METEOROLOGY	0:30
GENERAL NAVIGATION	1:00
OPERATIONAL PROCEDURES	0:30
PRINCIPLES OF FLIGHT	0:45
COMMUNICATIONS	0:30
Total	6:00

- Most questions are multiple choices.
- Tests are conducted in the language (s) deemed appropriate by the Aviation Safety Agency.
- The capacity will be reached when the applicant exceeds at least 75% of the issues raised in each part. Be taken into account only the correct answers.
- Subject to other conditions laid down, a candidate will be declared fit when having completed the theoretical examinations for PPL (A) has passed all of the parties in a period of 18 months from the end of the calendar month in which the applicant was examined for the first time. Proficiency in the knowledge will be accepted for issuing a private pilot's license for 24 months from the date the test was over

Exam dates in 2011 official theoretical PPL (A):

Call for February: deadline for submission of applications: until January 14.
Date theoretical tests: 10 and 11 February.

May session: deadline for submission of applications: until April 8. date
Test Theory: 5th and 6th May.

Call for September: deadline for submission of applications: until August 5.
Date theoretical tests: 8 and 9 September.

Call for November: deadline for submission of applications: until October 7.
Date theoretical tests: 3 and November 4



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Class Times:

- Group 1: Monday to Friday from 19 to 21 hours.
- Group 2: Monday to Friday from 10 to 13 hours.
- Group 3: 15 to 21 Friday and Saturday from 10 to 14 hours.

Practical training.

The flight training program include the following exercises:

- preflight operations, including mass and balance determination, aircraft inspection and supply.
- Aerodrome Operations circuit and aerodrome,precautions and procedures to avoid collisions.
- Control the aircraft by external visual reference.
- Flight to critically low speeds, recognition and recovery from incipient and total loss.
- Flight to critically high speeds, recognition and recovery of an auger.
- Takeoff and landing normal and crosswind.
- Maximum Performance takeoffs (small field andobstacle clearance), landing in small field.
- flight by reference solely to instruments,including the completion of a 180 degrees.
- cross-country flight using visual reference, dead reckoning and radio navigation aids.
- Emergency operations, including simulated malfunction of equipment of the aircraft.
- Operations from, to and through a controlled aerodrome, compliance with the procedures ofair traffic services, communications proceduresand phraseology.



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Students undertake a total of **45 flight hours** distributed as follows:

WITH FLIGHT INSTRUCTOR 35 HOURS	SOLO FLIGHT 10 HOURS	SIMULATOR 5 HOURS
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Schedules practical classes:

From Monday to Sunday from sunrise to sunset.



3.- COURSE OUTLINE:

DAY 0	DAY 1	MONTH 1 - 2
Presentation of course, material delivery and documentation.	Starts theoretical stage.	Course pre-start phase of flight and delivery of material for the flight. Starts the phase of practical training.
MONTH 3 - 4	MONTH 4	MONTH 6
Official examinations of knowledge.	End stage of knowledge (classroom training).	Review final phase of flight. Licensing your PPL (A).



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Start Date:

At the discretion of the applicant. There are no dates set to begin.

Duration:

Between 4 and 6 months depending on the pace of learning and practice facility for student training.

4.- INFORMATION OF THE PPL(A) LICENCE:

- The licensed private pilot is valid for five years.
- The applicant's license with PPL (A), obtained the authorization to fly single engine aircraft(SEP).
- Flights must be performed exclusively under visual flight rules (VFR).
- Enabling single-engine aircraft is valid for two years.

How do I renew my license?

Revalidation: Flying in the last year before the expiration of the authorization, twelve hours as pilot in command including at least twelve and twelve takeoffs landings.

Renewal: Once the authorization has expired, make a flight skill test with an examiner.





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5.- AEROPLANES:

YOU CAN TAKE THE COURSE IN ANY OF THESE AIRCRAFT:

PLANTA DE POTENCIA

MOTOR: CONTINENTAL O-200A

CARACTERISTICAS TECNICAS

MAX VELOCIDAD: 108 KT

VELOCIDAD OPTIMA CRUCERO: 106 KTS

REGIMEN DE ASCENSO: 640 fts/min

TECHO DE SERVICIO: 15.300 fts

ALCANCE: 304 NM

PESOS

PESO BASICO EN VACIO: 447 Kg.

PESO MAXIMO AL DESPEGUE: 681 Kg.

DIMENSIONES

ENVERGADURA: 10.7 m

LONGITUD: 6.56 m

ALTURA: 2.11 m

SUPERFICIE ALAR: 14.8 m2

CAPACIDAD

ASIENTOS: 2

CESSNA 150



CESSNA 172



PLANTA DE POTENCIA

MOTOR: LYCOMING O-320-H2AD

CARACTERISTICAS TECNICAS

MAX VELOCIDAD: 125 KT

VELOCIDAD OPTIMA CRUCERO: 122 KTS

REGIMEN DE ASCENSO: 770 fts/min

TECHO DE SERVICIO: 14.200 fts

ALCANCE: 575 NM

PESOS

PESO BASICO EN VACIO: 649 Kg.

PESO MAXIMO AL DESPEGUE: 1043 Kg.

DIMENSIONES

ENVERGADURA: 10.92 m

LONGITUD: 8.24 m

ALTURA: 2.68 m

SUPERFICIE ALAR: 16.3 m2

CAPACIDAD

ASIENTOS: 4



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PLANTA DE POTENCIA

MOTOR: LYCOMING O-360-A4M

CARACTERISTICAS TECNICAS

MAX VELOCIDAD: 133 KTS

VELOCIDAD OPTIMA CRUCERO: 128 KTS

REGIMEN DE ASCENSO: 692 fts/min

TECHO DE SERVICIO: 14.100 fts

ALCANCE: 522 NM

PESOS

PESO BASICO EN VACIO: 766 Kg.

PESO MAXIMO AL DESPEGUE: 1155 Kg.

DIMENSIONES

ENVERGADURA: 10.67 m

LONGITUD: 7.32 m

ALTURA: 2.22 m

SUPERFICIE ALAR: 15.8 m2

CAPACIDAD

ASIENTOS: 4

PIPER PA-28-181



6.- DOCUMENTATION:

For the registration:

- 4 passport photos.
- 2 photocopies of your ID.
- Photocopy of medical certificate class 1 or 2.
- Registration form new student admission.
- Accreditation application form Bilbao airport access platform.
- Application Form Student Pilot Permit.
- Contract for training.
- High INTRANET.
- Documentation bank (debit authorization).



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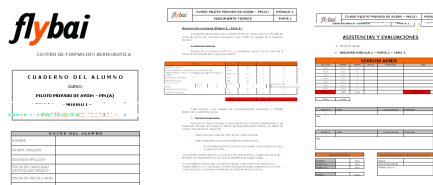
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El curso incluye el siguiente material:

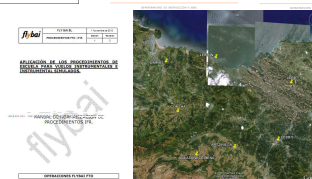
Bibliography private pilot (seven books).
Editorial PARAINFO.



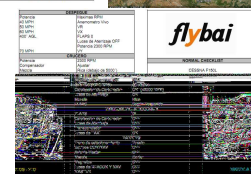
Academic tracking Notebooks
student
(Edition of the center).



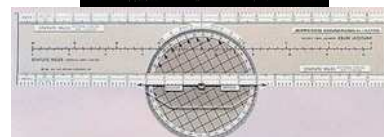
Course Bibliography aircraft local flight rules and
procedures and emergency normal.
(Edit own center)



Manual flight of the aircraft checklist.



Plotter PJ-1 Navegación



CR-3 Navigator.



Piernografo.

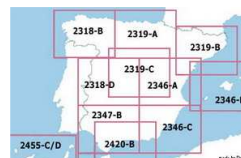




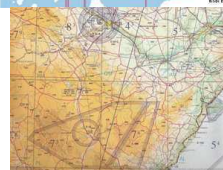
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Map AENA 1:50000



Map Ejercito del aire Este/Oeste 1:1000000



Pilot logbook.



Pilot manual.



7.- PRICE AND PAYMENTS:

Course PPL (A) price varies depending on the model of aircraft.

CESSNA 150

7.400 EUROS

CESSNA 172

7.800 EUROS

PIPER PA28

8.350 EUROS

- The price includes:
 - VAT.
 - All material described in paragraph 6 of this document.
 - Landing fees.
 - Theoretical and practical instruction.
 - Fees for theory tests.

Not included:

- Medical (150 euros).
- Examiner fees (200 euros).



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Payment:

OPTION A:

- Enrollment of 1,000 euros (included in course price).
- Six monthly.

OPTION B:

- Funding of up to 12 months.

Authorized Training Center:



Autoridades
Conjuntas
de Aviación -
EU



Agencia
Estatal de
Seguridad
Aérea -AESA



Dirección
General de
Aviación
Civil - DGAC