



Advanced Upset Prevention and Recovery Training



GENERAL:

The objective of the course to train pilots and ATP(A) Integrated student pilots:

- to understand how to cope with the physiological and psychological aspects of dynamic upsets in aeroplanes; and
- to develop the necessary competence and resilience to be able to apply appropriate recovery techniques during upsets.

An aeroplane upset refers to an undesired aircraft state characterised by unintentional divergences from parameters normally experienced during operations. An aeroplane upset may involve pitch and/or bank angle divergences as well as inappropriate airspeeds for the conditions.

The curriculum combines classroom/e-learning and flight instruction activity to introduce and promote technical and non-technical skills that contribute significantly to aviation safety.

From the 20th December 2019 the Advanced UPRT course is a pre-requisite to start a course for the first Type Rating.



ENTRY QUALIFICATION:

- Hold at least a PPL (A) or to be enrolled in an ATP(A) Integrated Course (without UPRT);



LEARNING OBJECTIVES:

The goal of the Upset Prevention and Recovery Training is to increase the ability of pilots to recognize and avoid situations that can lead to airplane upsets and to improve their ability to recover control of an airplane that diverges from a crew's desired airplane state.

This will be accomplished by reviewing basic aerodynamics, increasing awareness of potential upset situations.

The goal is to avoid an upset, intervene if one is developing, or to regain control. Training to proficiency has shown to be the best and only way to achieve this goal.

The advanced UPRT course comprises:

- (1) 5 hours of theoretical knowledge instruction;
- (2) preflight briefings and postflight debriefings; and
- (3) 3 hours of dual flight instruction with a qualified flight instructor FI(A) in an aerobatic aeroplane.



THEORETICAL TRAINING:

The course consists of 5 hours of theoretical knowledge instruction focused on the following contents:

- (1) Review of basic aerodynamics typically applicable to aeroplane upsets in transport category aeroplanes, including case studies of incidents involving potential or actual upsets.
- (2) Aerodynamics relevant to the aeroplane and exercises used in the practical training;
- (3) Possible physiological and psychological effects of an upset, including surprise and startle effect;

- (4) Strategies to develop resilience and mitigate startle effect; and
- (5) Memorising the appropriate procedures and techniques for upset recovery.

The UPRT theoretical instruction may be classroom and/or computer-based training.



FLIGHT INSTRUCTION:

3 hours of flight instruction on an aerobatic aircraft with a qualified FI (A). These hours do not include the flight time necessary for transfers.



DURATION:

Approximately 3 / 4 days.



PRICE: € 1.700

ADVANCED UPRT Price Includes:

- 5 hours of theoretical knowledge instruction;
- preflight briefings and postflight debriefings;
- Hours of flight instruction for UPRT manoeuvres;
- Course Completion Certificate (provided satisfactory completion).

Administrative fees:

Annual subscription fee (solar year)	€ 300.00
Enrolment fee	€ 70,00