

# HF410 - Humans at work

From the Advanced Master TAS Aero (Aeronautical Engineering)



## Highlights

- Cognitive ergonomics & activity analysis
- Seminars with industrialists & ergonomists

The objective of this course is to provide engineers with a high-level multi-disciplinary approach to understand how to analyze humans at work.

All courses and practical works are taught with a view to apply the acquired knowledge to the aeronautical and transportation domains.

## Prerequisites

- Master level

## Key elements

Period: **Early January**

Estimated duration: 25 hours

For whom:

**Recent graduates, jobseekers and experienced employees**

Location:

**ISAE-SUPAERO, Toulouse**

Language: **English**

## Learning objectives

After completing this course, participants will be able to:

- Understand key principles of Human Factors and Social Psychology
- Be able to analyze a work activity with Cognitive Ergonomics tools
- Be able to interact with experts of the Human Factors and Social Psychology domains to improve flight safety.

## Information and registration

[info.exed@isae-supaero.fr](mailto:info.exed@isae-supaero.fr)



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## Course Content

- Cognitive and Physical Ergonomics
- Activity Analysis
- Social Psychology
- Human-human and human-system interaction
- Application Focuses: Cockpit Design, Airbus, Dassault Aviation, and start-up perspective.

## Teaching methods

Teaching methods	Yes
Lectures / tutorial	X
Collaborative learning	
Flipped classroom	
Blended learning (online and face to face)	
Competency-based	
Critical thinking	
Learning by doing	X
Project-based	X
Simulation	
Case study	X
Other:	

## Assessment

- Written exam (100 %)