Welcome to the Education/AE4227 web

Intro

This wiki is part of the learning environment for the course AE4227 - Aircraft System Design and Airworthiness.

Students are invited to develop their papers in this wiki environment. The papers are then peer-reviewed by the instructors of this course in order to become available to everyone. Please check the links of the left menu for further information or ATasteOfTWiki.

The course Aircraft Design and Airworthiness offers to do assignments as a substitute to a written exam. These assignments will be written in a TU Delft Wiki which enables a shared writing environment, easier correcting and more feedback during the writing process. The assignments can be written in groups of two, maximum three, students.

Reviews of the document (unofficial) will be done at several instances and continuously throughout the exercise, where the professors will make remarks on the research and the document.

The teams have two official opportunities to present their work officially for review before the final review, which will be graded. These two are the first and second preliminary reviews, and can be asked for by sending an email to the correcting professor indicating the document is ready for review.

For reviews of the topics 'Aircraft Accident Investigation' and 'Materials Certification Unrevealed', please contact: prof. dr. ir. John Stoop.

For reviews of other topics, please contact: dr. ir. Marilena Pavel.

Objectives

- Contribute to discussion on airworthiness and aerospace safety systems
- Build up a source of knowledge with high quality academic contents on the issue
- Facilitate instructor-student relationship during paper development

Overall Requirements

- Groups of 2, maximum 3, students
- Length of the paper: be concise but complete, (try to stay within 10 pages)
- Deadline for handing in the final version will be 01-07-2011

Topics

1. Aircraft Accident Investigation
2. Helicopter Mechanical Failure Accident Investigation
3. TiltRotor Rotorcraft Concept
4. Canard Rotor/Wing Rotorcraft Concept
5. Materials Certification Unrevealed

Old Topics

- 2010
- 2009

Contact Author and Responsible: Prof. dr. ir. John Stoop