



# About Final Project

Rules: - Be at A13 ready for presentation punctually on Jan 10th, at 9.00.

- Submit your project report (print out) and YOUR LAPTOP (!) before you start your presentation.

- Make your presentation in 8 min. at max. All students should be in class bwn 9.00-11.00.

Gradings:

Presentation (15 pts)

final exam date

Report (10 pts)

final exam date

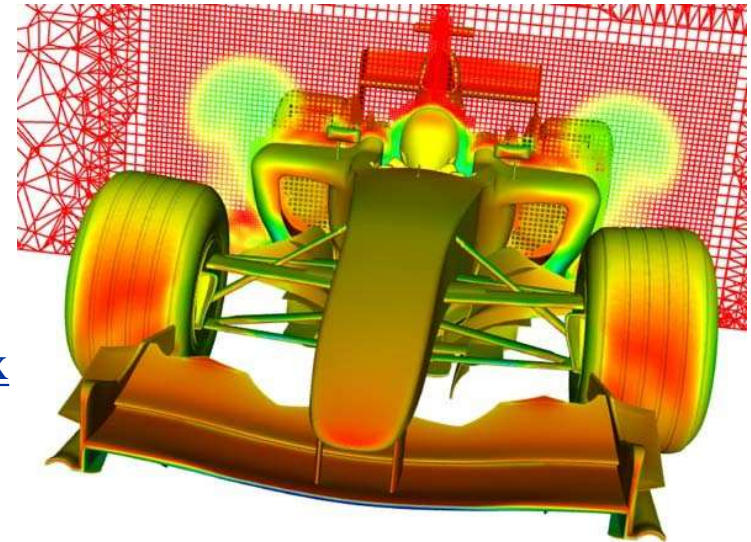
Successful CFD execution (15 pts)

final exam date

[Example\\_final\\_report-1.docx](#) [Example\\_final\\_report-2.docx](#)

Final project report will include:

- Abstract
- Introduction with Literature survey.  
(Selecting experimental study correctly from literature is important)
- Methodology (Project realization)
- Results and Discussion (Computational study including comparison of numerical results with experimental study)
- Conclusion
- References



# Course Information of AE428

## Applied CFD Lecture (next semester)



If you become successful in AE427 (this lecture), AE301 Heat Transfer and AE305 Aerodynamics-I lectures, you can take the continuing lecture AE428 Applied Computational Fluid Dynamics lecture at the Spring semester. It will be executed in our COMLAB using ANSYS Fluent for Aerospace Applications.

# AE428 APPLIED CFD



Lecture	Lecture Title	Class
Week-1	A Short Review on prerequisite course (AE 427 - Introduction to CFD) / Introduction	COMLAB
Week-2	Chapter 6: CFD Solution Analysis: Essentials	COMLAB
Week-3	Chapter 7: Practical Guidelines for CFD Simulation and Analysis	COMLAB
Week-4	Midterm	COMLAB
Week-5	Tutorial 1	COMLAB
Week-6	Tutorial 2	COMLAB
Week-7	Tutorial 3	COMLAB
Week-8	Tutorial 4	COMLAB
Week-9	Tutorial 5	COMLAB
Week-10	Tutorial 6	COMLAB
Week-11	Tutorial 7	COMLAB
Week-12	Tutorial 8	COMLAB
Week-13	Tutorial 9	COMLAB
Week-14	Tutorial 10	COMLAB

\* During the lab sessions, the topics will be covered in conjunction with department licenced ANSYS Fluent in COMLAB

# AE428 APPLIED CFD



- Final Grades:

Midterm	20	%
Homeworks (8x5)	40	%
Final	40	%
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Total	100	%