

## t.TMS - Engineering Mechanics and Statics

**Person responsible for the course:** Hanfried Hesselbarth, hsbh

**Credits:** 4

**Valid for:** 2009/2010

**Last saved:** 31.08.2010 15:24

### Learning objectives:

The students get an overview of current and future issues of production in aviation.

They are able to calculate and formulate mathematically simple constructions.

They know the technical possibilities of the various materials used in light-weight construction.

They have the basic skills required for the course 'Light-weight Construction Technology'.

### Course content:

- An introduction to Statistics, Mechanics and the Mechanics of Materials
- Principles of light-weight construction
- Possibilities and limitations of materials in light-weight construction
- Static issues in the field of aviation

### Previous knowledge:

Basics of Mathematics

### Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*2
Tutorial/Practicum	
Group teaching	
Block instruction	
Seminar	

### Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Type	Weighting
1	End of term exam	1,6
1	Exam during the semester	1,2
2	Further assessments	0,6

### Language of instruction:

German

### Instruction material:

**Comments:**

Lecturer: Hanfried Hesselbarth