

t.PHSAV1 - Physik und Systemwissenschaft für Aviatik 1

Person responsible for the course: Werner Maurer, maur

Credits: 8

Valid for: 2010/2011

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Learning objectives:

The students develop a personal and reflected working technique. The students can present their results verbally and in written form target group appropriate (zielgruppengerecht). The students know the basic principles of the physics of the dynamic system

Course content:

Hydrodynamics: Volume balance; energy and processes; resistive, capacitive and inductive elements. Electrodynamics: current and tension; energy and processes, linear elements. Translation mechanics: momentum balance; dynamics; energy; gravitation; technic

Previous knowledge:

Physik der technischen Berufsmaturität

Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
Tutorial/Practicum	
Group teaching	14x(4L+2L)
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	60%
1	Exam during the semester	20%
1	Further assessments	20%

Language of instruction:

Deutsch

Instruction material:

Skript, eLearning-Module, pp-Folien, Sammlung alter Prüfungen

-Fuchs, Borer, Frommenwiler, Knoll, Kopacsy, Maurer, Schütz, Studer: Physik - eine systemdynamischer Zugang für die Sekundarstufe II, hep-verlag, 2005

Comments:

Details werden zu Beginn der Unterrichtsveranstaltung festgelegt.