Faculty of Mechanical Engineering / MECHANICAL ENGINEERING / TURBINES

Course:	TURBINES			
Course ID	**Course status**	**Semester**	**ECTS credits**	**Lessons** (Lessons+Exercises+Laboratory)
5659	Mandatory	1	4.5	2+2+0
Programs	MECHANICAL ENGINEERING			
Prerequisites				
Aims				
Learning outcomes	Once the student has completed the exam will be able to: 1. Chose the basic parameters of the turbines 2. Chose appropriate turbine based on the basic parameters 3. Apply the laws of similarity to the conversion of values from the model to prototype 4. Define turbine suction head 5. Become familiar with the work and exploitation characteristics of the turbine 6. Become familiar with basic concepts of transient processes 7. Calculate dimensions of the components of the turbines flow tract			
Lecturer / Teaching assistant				
Methodology				
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures				
I week exercises				
II week lectures				
II week exercises				
III week lectures				
III week exercises				
IV week lectures				
IV week exercises				
V week lectures				
V week exercises				
VI week lectures				
VI week exercises				
VII week lectures				
VII week exercises				
VIII week lectures				
VIII week exercises				
IX week lectures				
IX week exercises				
X week lectures				
X week exercises				
XI week lectures				
XI week exercises				
XII week lectures				
XII week exercises				
XIII week lectures				
XIII week exercises				
XIV week lectures				
XIV week exercises				

XV week lectures	
XV week exercises	
Student workload	

Per week	**Per semester**
4.5 credits x 40/30=6 hours and 0 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises **2 hour(s) i 0 minuts** of independent work, including consultations	Classes and final exam: **6 hour(s) i 0 minuts x 16 =96 hour(s) i 0 minuts** Necessary preparation before the beginning of the semester (administration, registration, certification): **6 hour(s) i 0 minuts x 2 =12 hour(s) i 0 minuts** Total workload for the subject: **4.5 x 30=135 hour(s)** Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) **27 hour(s) i 0 minuts** Workload structure: **96 hour(s) i 0 minuts (cources), 12 hour(s) i 0 minuts (preparation), 27 hour(s) i 0 minuts (additional work)**
Student obligations	
Consultations	
Literature	
Examination methods	
Special remarks	
Comment	

Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points