Title of Course	Mechanics of particulate materials		
Semester	Autumn/Spring		
Teaching Hours per Course:	Total	- Lectures:	- Tutorials:
	15	0	15
ECTS Credits	1		

The content of education	
Aims of Course	The course is concerned with basic knowledge of the mechanics of particulate (granular) materials and the associated engineering applications. Course contentcreates a basis for understanding fundamental notions, phenomena and relationships pertinent to static states and flows of particulate materials, and for being able to apply the gained knowledge to the design of industrial equipment.
Program	Lab1 - Introduction; Lab2 –Sieve analysis; Lab3 –Measurement of the coefficient of friction of the material; Lab4 - Measurement of the coefficient of friction between particulate material and container wall; Lab5 – Determination of the angle of repose; Lab6 – Mixing of particulate materials.
Conditions of completion	Students are obliged to participate in laboratory classes. Continuous examination at laboratory classes – evaluation test prior to each class, report submission and evaluation after each class. At the beginning of the course, students are informed on the organization of examination at laboratory classes and on evaluation principles The results of evaluation of the laboratory classes are decided by the responsible teachers and communicated to the coordinating teacher (lecturer). All the organization details and evaluation principles are consistent with, and other relevant issues not mentioned in the present document are regulated by, Regulations of studies at the Warsaw University of Technology.
Teacher	Krzysztof Wołosz, Professor