



SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Particle Technology - Process Engineering, Part II. (Basic machines)
Code:	VEMKGE5312R
Responsible department:	Department of Mechanical Engineering
Responsible department code:	MKGE
Responsible lecturer:	Dr. Sándor Verdes

Educational objectives:

The topic is divided into 3 parts:

Process Engineering/Particle Technology, Part I.: Basics.

Process Engineering/Particle Technology, Part II.: Basic machines.

Process Engineering/Particle Technology, Part III.: Applications.

To make known machines and technologies used in different fields and where the common/joining topic is the particle.

The second part concerns the basic machines.

Detailed content of the subject:

Rough comminution.
Crushers, size reduction machines.
Fine crushing.
Grinding.
Fine grinding, mills.
Ultrafine milling.
Other size reduction ways.
Sieving.
Classification, classifiers.
Mixing, homogenisation.
Granulation, briquetting.
Cyclons. Dust precipitation
Waste materials treatment.
Sprayers.
Others.

Requirements:

1 test paper and 1 homework-study



UNIVERSITY OF PANNONIA

SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Particle Technology - Process Engineering, Part II. (Basic machines)
Code:	VEMKGE5312R
Responsible department:	Department of Mechanical Engineering
Responsible department code:	MKGE
Responsible lecturer:	Dr. Sándor Verdes

Required and suggested references: