



## SUBJECT DATASHEET

<b>Semester:</b>	2011/12/1
<b>Subject:</b>	Cement technology
<b>Code:</b>	VEMKSI5312Ö
<b>Responsible department:</b>	Institute of Materials Engineering
<b>Responsible department code:</b>	MKSI
<b>Responsible lecturer:</b>	dr. Tamás Korim

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### Educational objectives:

Teaching cementitious materials, its technology, characteristic features and applications fields of products made.

### Detailed content of the subject:

The history of binding materials; Classification of binding materials; Non-hydraulic cementitious materials, their manufacture and applications (plaster, lime); Hydraulic cementitious materials, their manufacture and applications (portland cement, alumina cement); Effect of quality of raw materials on properties of the product; Determination of proper composition of a raw material mixture; Characterization and manufacture of cementitious materials (wet-, semi-dry-, dry technologies); Manufacture of concrete.

### Requirements:

Attendance of lectures

### Required and suggested references:

Tamás Ferenc: Szilikátipari kézikönyv, MK, Budapest, 1982 Talabér József: Cementipari kézikönyv MK, Budapest, 1982 Déri Márta: Szilikátkémiai technológia, VE jegyzet