



COURSE DATASHEET

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| Semester: | 2016/17/1 |
| Course: | Cement technology |
| Code: | VEMKSI5312Ö |
| Responsible department: | Institute of Materials Engineering |
| Department code: | MKSI |
| Responsible instructor: | dr. Tamás Korim |

Course objectives:

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

Course content:

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, evaluation and grading:

Attendance of lectures

Required and recommended readings:

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