



## COURSE DATASHEET

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| <b>Semester:</b>               | 2016/17/1                                  |
| <b>Course:</b>                 | Industrial Furnaces and Driers II.         |
| <b>Code:</b>                   | VEMKMU4233G                                |
| <b>Responsible department:</b> | Department of Chemical Engineering Science |
| <b>Department code:</b>        | MKMU                                       |
| <b>Responsible instructor:</b> | Zoltán Hodai                               |

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### Course objectives:

Deepening the knowledge about unit operations in practice.

### Course content:

1. Mixture of solid particulate matter 2. Residence time spectrum 3. Heat transfer between the sphere and the fluid phase 4. Drying kinetics 5. Drying kinetics 6. Fluidized bed dryer injector testing 7. Soren- effect study 8. Independent Task I. 9. Independent Task I. 10. Independent Task I. 10. Independent Task II. 11. Independent Task II. 12. Independent Task II. 13. Independent Task II. 14. Report of the individual tasks

### Requirements, evaluation and grading:

Accomplishment of the assigned measurements.

### Required and recommended readings:

Vegyipari Műveleti Tanszék Munkaközösség: Vegyipari műveleti laboratóriumi gyakorlatok (Kézirat, 1995)