

## Financial Modelling

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**Subject area:** Business/management

**University:** TalTech  
**Level:** BA3, BA4  
**Teaching mode:** hybrid: some students participate online, other students attend real-life  
**Instructor(s):** Tõnn Talpsepp

### Short description

Principles of modelling - model design; model structure and planning; model building; presentation of results; model auditing. Excel tools used in financial modelling and their applications. Modelling of financial plans including financial statement forecasting; forecasted financial ratios; free cash flow forecasting (FCFF, FCFE); company valuation based on free cash flow, assets and enterprise value multiples. Risk modelling and simulations in Excel and R.

### Full description

<http://ois2.ttu.ee/uusois/subject/MEF3010>

### Learning outcomes

The student:

- has an overview of financial modelling principles, financial modelling tools and their application possibilities in the context of finance problems;
- is able to apply financial modelling techniques in practice.

### General information

**Contact hours per week:** 5  
**Total workload:** 156 (in student hours for the whole course)  
**ECTS credits:** 6  
**Language:** English  
**Course start date:** 29 January 2023

**Course end date:** 01 April 2023  
**Add. info about start date:**  
**Weekly teaching day/time:**  
**Time zone:** CET +1 (Estonia, Israel)  
**Further information:**

**Prerequisites:** Passing basic finance courses, including financial statement analysis or accounting.  
**Activities and methods:** Seminars, Practices, Exercises  
**Presence on campus:** Not required

## Final examination

**Form:** written  
**Date:**  
**Location/format:** online  
**Re-sit possibility:** yes  
**Transcript available:** end of semester  
**Add. info/requirements:**

## Registration

To register for this course, follow the registration requirements of your **home university** as specified here: [www.euroteq.eu/courses-registration](http://www.euroteq.eu/courses-registration).

## Administration

**Number of places:**  
**Minimum participants:** Minimum requirement fulfilled by students of home institution  
**Internal course code:** MEF3010  
**Contact:** [tonn.talpsepp@taltech.ee](mailto:tonn.talpsepp@taltech.ee)

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