<table>
<thead>
<tr>
<th>Module Code</th>
<th>MEU22EM2</th>
</tr>
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<tbody>
<tr>
<td>Module Name</td>
<td>Finance</td>
</tr>
<tr>
<td>ECTS Weighting¹</td>
<td>5 ECTS</td>
</tr>
<tr>
<td>Semester taught</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Module Coordinator/s</td>
<td>Ms. Caroline Kirrane MBA (<a href="mailto:CKirrane@tcd.ie">CKirrane@tcd.ie</a>)</td>
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**Module Learning Outcomes with reference to the Graduate Attributes and how they are developed in discipline**

On successful completion of this module, students should be able to:

1. Describe the types of companies found in Ireland (including start-ups), along with the financial environment in which they operate
2. Understand and analyse the financial statements of companies using appropriate metrics
3. Characterise the effect that the nature of a company’s trade will have upon financial planning decisions
4. Make financial decisions using relevant measures of risk and reward
5. Evaluate suitable sources of finance for a business

**Module Content**

**SYLLABUS**

- Introduction to finance for engineers
  - Types of company and company structures
  - Irish company law and taxation
  - Balance sheets, income statements, cashflow statements
  - Financial statement analysis
- Basic financial calculations
  - Time value of money
  - Cash flows and net present value
  - Valuations
- Corporate social responsibility
- Investment appraisal
- Financial planning
  - Forecasting
  - Sources of finance
  - Short term financial management

¹ TEP Glossary
The module is both analytical and descriptive. It has a practical focus and introduces theory.

The aim of the module is to help students to understand the interface between a company and the financial markets and the influence of the latter on management’s decisions about investment, financing and operational matters.

**Teaching and Learning Methods**

Lectures, seminars, online learning/remote and video using Blackboard. Guest lectures, problem based/practice-based
<table>
<thead>
<tr>
<th>Assessment Component</th>
<th>Assessment Description</th>
<th>LO Addressed</th>
<th>% of total</th>
<th>Week due</th>
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<td>all</td>
<td>60%</td>
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<td>Assignments</td>
<td>Continuous Assessment</td>
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**Reassessment Requirements**

Exam

**Contact Hours and Indicative Student Workload**

- **Contact hours**: 33 hours
- **Independent Study (preparation for course and review of materials)**: 33
- **Independent Study (preparation for assessment, incl. completion of assessment)**: 33

**Recommended Reading List**

**Essential - Notes via Blackboard**

- **Recommended**


**Module Pre-requisite**

- na

**Module Co-requisite**

- 2mems10, 2mems2

**Module Website**

- TCD Blackboard

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[1] TEP Guidelines on Workload and Assessment
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<tr>
<th><strong>Are other Schools/Departments involved in the delivery of this module?</strong></th>
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<td><strong>If yes, please provide details.</strong></td>
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<tr>
<td><strong>Module Approval Date</strong></td>
<td>15/08/2019</td>
</tr>
<tr>
<td><strong>Approved by</strong></td>
<td>Dr. Garret O'Donnell</td>
</tr>
<tr>
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