1. **KentVision Code and title of the module**

MAST7807: - Industrial Placement Experience

1. **School or partner institution which will be responsible for management of the module**

CEMS School of Mathematics, Statistics and Actuarial Science

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 7

1. **The number of credits and the ECTS value which the module represents**

105 credits (52.5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

There are preparatory activities throughout the academic year leading up to the placement. The placement itself commences after stage 1 has been completed.

1. **Prerequisite and co-requisite modules**

Co-requisite: MAST7806: Industrial Placement Report

1. **The courses of study to which the module contributes**

Year in Industry courses owned by the School of Mathematics, Statistics and Actuarial Science.

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**

8.1 Enhance subject-specific skills developed earlier within the course.

8.2 Utilise course-specific skills and techniques within an industrial or similar context.

8.3 Demonstrate an in-depth understanding of the challenges involved with working on real-world problems.

1. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**

9.1 Deal with complex issues both systematically and creatively.

9.2 Work with self-direction and originality in tackling and solving problems.

9.3 Make sound judgements in the absence of complete information.

9.4 Plan and work independently and use relevant resources in a manner that reflects good practice

9.5 Make effective use of general IT facilities including information retrieval skills.

9.6 Manage their own learning and development, including time management and organisational skills.

9.7 Appreciate the importance of continued professional development as part of lifelong learning.

9.8 Work effectively as a member of a team.

9.9 Communicate technical issues clearly to specialist and non-specialist audiences.

9.10 Act autonomously in planning and implementing tasks at a professional or equivalent level.

9.11 Apply knowledge and skills gained through academic study in a working environment.

1. **A synopsis of the curriculum**

Students spend a period (minimum 39 weeks and maximum 44 weeks) doing paid work in an organisation outside the University, in an industrial, commercial, public sector or similar setting, applying and enhancing the skills and techniques they have developed and studied in the earlier stages of their degree course.

The work they do is entirely under the direction of their industrial supervisor, but support is provided by the Employability and Placements Team. This support includes ensuring that the work they are being expected to do is such that they can meet the learning outcomes of the module.

Participation in the placement year, and hence in this module, is dependent on students obtaining an appropriate placement, for which support and guidance is provided through the Employability and Placements Team. It is also dependent on satisfactory achievement in their academic studies.

Students who do not obtain a placement will be required to transfer to the appropriate course without an Industrial Placement.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**
2. The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.
3. The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

## None

1. **Learning and teaching methods**

Placement at employer: 1050 hours

Total study hours: 1050 hours

1. **Assessment methods**
   1. Main assessment methods

Each of the following components is assessed on a pass / fail basis. Each component must be passed to pass the module.

Logbook or Journal or Blog

Employer Evaluation - Two forms (interim and final) completed by industrial supervisor

13.2 Reassessment methods

Like-for-like where possible.

There is no reassessment of the Employer Evaluation. Students who fail the Employer Evaluation will be required to transfer to the appropriate programme without Industrial Placement.

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)**

**Learning/ teaching method**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 9.10 | 9.11 |
| Industrial Placement and private study | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **X** |

**Assessment method**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 9.10 | 9.11 |
| Logbook or Journal or Blog | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Employer evaluation by industrial supervisor | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

1. **Inclusive module design**

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

This module is based on applying mathematical, statistical and/or actuarial principles in an industry context. Mathematics, statistics and actuarial science are international languages with techniques developed and refined by mathematicians, statisticians and actuaries across the globe. Industry experience will equip students to apply the techniques of the subject area in a wide range of international contexts.

The School of Mathematics, Statistics and Actuarial Science includes many members of staff with international experience of teaching and research collaboration. The support SMSAS provides to its students is also internationally attuned given our international student body.

**DIVISIONAL USE ONLY**

**Module record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

| Date approved | New/Major/minor revision | Start date of delivery of (revised) version | Section revised  (if applicable) | Impacts PLOs (Q6&7 cover sheet) |
| --- | --- | --- | --- | --- |
| 20/6/2022 | Major | Autumn 2022 | 8, 9, 10, 13, 14, 16 |  |
| 19/07/23 | Major | Autumn 2023 | 1,4, 5, 10, 12 |  |