1. **Title of the module**

MAST7805: (MA991) - Industrial Placement Experience (12 months)

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

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**

MAST7805 120 credits (60 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 will typically commence in June or July. The timing and duration of the placement depend on the particular employer and may vary from 40 to 50 weeks.

Note that placement must not exceed 50 weeks to ensure full compliance with UK Border Agency regulations for international students.

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

Co-requisite: MAST7801: Industrial Placement Report and Presentation

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

MSc in Applied Actuarial Science with an Industrial Placement

MSc Mathematics and its Applications with an Industrial Placement

MSc Statistics with an Industrial Placement

MSc Statistics with Finance with an Industrial Placement.

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

8.1 Apply subject-specific skills relating to the programme of study (Mathematics, Statistics, Statistics with Finance or Applied Actuarial Science as appropriate) in a professional context.

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, and communicate their conclusions clearly to specialist and non-specialist audiences

9.2 demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level

9.3 continue to advance their knowledge and understanding/appreciate the importance of continued professional development as part of lifelong learning

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

9.5 manage their own learning and development, including time management and organisational skills

9.6 work effectively as a member of a team

9.7 demonstrate the application of knowledge and skills gained through academic study in a working environment

1. **A synopsis of the curriculum**

Students spend a period of time doing paid work in an organisation outside the University, usually in an industrial or commercial environment, applying and enhancing the skills and techniques they have developed and studied in the earlier stages of their MSc programme.

The work they do is entirely under the direction of their industrial supervisor, but support is provided by the SMSAS Placement Officer or a member of the academic 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 this module is dependent on students obtaining an appropriate placement, for which support and guidance is provided through the School in the year leading up to the placement. 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 programme without Industrial Placement.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

None

1. **Learning and teaching methods**

Placement at employer: 1200 hours

Total study hours: 1200 hours

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

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

Employer Evaluation - Two forms completed by supervisor with review meeting lasting no more than half a day

Reviews and End of Year Development Plan   
 - Two CPD Reviews and a Development Plan, each of approx. 2-3 pages

On-line Blogs - Weekly blogs during first month, monthly thereafter, each consisting of 400-700 words

13.2 Reassessment methods

There is no reassessment of the Employer Evaluation. Subject to passing the Employer Evaluation, coursework will be used for reassessment of the other components.

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)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | 8.1 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |
| Placement at Employer | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| **Assessment method** |  |  |  |  |  |  |  |  |
| Employer Evaluation | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Reviews and End of Year Development Plan*.* | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| On-line Blogs | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

1. **Inclusive module design**

The School 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 (placement will take place at employer’s site)

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 OFFICE USE ONLY**

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

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| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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