1. **Title of the module**

MAST7801 (MA976) - Industrial Placement (Report and Presentation)

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**

30 credits (15 ECTS)

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

Autumn and Spring and Summer

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

Co-requisite: MAST7805: Industrial Placement Experience

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

MSc in Applied Actuarial Science with an Industrial Placement;

MSc in Mathematics and its Applications with an Industrial Placement;

MSc in Statistics with an Industrial Placement;

MSc in 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 Plan, work and study independently and to use relevant resources in a manner that reflects good practice, exercising initiative and personal responsibility.

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

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

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

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

9.6 Present ideas, arguments and results in the form of a well-structured written report and in a presentation that demonstrates a comprehensive understanding of techniques applicable to the placement.

9.7 Demonstrate at a high level the application of knowledge and skills gained through academic study in a working environment.

1. **A synopsis of the curriculum**

Students spend a period 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 earlier during their degree programme. Employer evaluation, personal and professional reviews and on-line blogs are assessed under MAST7805 (Industrial Placement Experience) which is a co-requisite of this module. The assessment of this module draws on the experience gained in MAST7805 and is assessed through a Placement Report and Presentation.

The placement 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 this 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 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 or who fail module MAST5801 (Industrial Placement Experience) will be required to transfer to the appropriate programme without Industrial Placement and any marks obtained on this module will not contribute to their final degree classification.

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

None

1. **Learning and teaching methods**

Total contact hours: 10

Placement at employer and private study hours: 290

Total study hours: 300

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

Placement Report 14-15 page report 50%

Poster & Presentation production of poster and presentation with questions of around 15-20 minutes 50%

13.2 Reassessment methods

Like-for-like

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** |  |  |  |  |  |  |  |  |
| Private Study & placement | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| **Assessment method** |  |  |  |  |  |  |  |  |
| Placement Report | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Poster & Presentation | **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

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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