1. **Title of the module**

MAST5957 (MA5957) Year in Data Analytics Project

1. **Division 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 5

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)**

Spring and Summer

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

Pre-requisite: None

Co-requisite: None

1. **The course(s) of study to which the module contributes**

\*Standard Programme Title\* with a Year in Data Analytics

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

8.1 demonstrate a reasonable ability to plan and develop a project themed in data analytics;

8.2 convey a systematic understanding of key aspects of a topic in data analytics;

8.3 demonstrate a reasonable level of skill in the presentation of a topic in data analytics;

8.4 show judgement in the selection and presentation of material to communicate to both technical and non-technical audiences.

**9.** **The intended generic learning outcomes.**

**On successfully completing the module students will be able to:**

9.1 communicate arguments clearly and draw reasonably accurate conclusions;

9.2 manage their own learning and development, including time-management;

9.3 demonstrate enhanced intellectual independence;

9.4 communicate technical and non-technical material competently;

* 1. demonstrate critical thinking skills.

**10. A synopsis of the curriculum**

A list of projects will be offered and each student will be allocated to a project supervised by a member of staff as determined by the convenor. This will cover a range of suitable topics. The allocation of a topic will be made at the start of the Spring term. Students will work on their project during the Spring and Summer terms.

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

 **annually)**

Texts will depend on the project offered.

**12. Learning and teaching methods**

Contact hours: 6

Private study: 294

Total number of study hours: 300

**13. Assessment methods**

* 1. Main assessment methods

Project plan - 2 pages (10%)

Mid-project presentation (10%)

Dissertation – approximately 30 pages (80%)

* 1. Reassessment methods

 100% coursework

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 | 8.2 | 8.3 | 8.4 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |
| **Private Study** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Supervision meetings | **X** | **X** |  |  |  | **X** |  |  | **X** |
| **Assessment method** |  |  |  |  |  |  |  |  |  |
| Project plan | **X** |  |  |  |  | **X** |  | **X** | **X** |
| Mid-project presentation | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Project | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

**15. 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

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

Canterbury

**17. Internationalisation**

Data analysis is an international language with internationally recognised techniques developed and refined by statisticians across the globe. Mastery of the subject-specific learning outcomes, 8.1 to 8.4, will equip students to apply the theories and techniques of this module in a wide range of international contexts. The module team is drawn from the School of Mathematics, Statistics and Actuarial Science/School of Social Policy, Sociology and Social Research, which includes many members of staff with international experience of teaching and research collaboration.

In compiling the reading list, consideration has been given to the range of texts that are available internationally and a selection of texts has been identified to complement the delivery of the material.

Examples with an international dimension are included in the module where appropriate.

The support SMSAS/SSPSSR provides to its students is also internationally attuned given our international student body.

**DIVISIONAL USE ONLY**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 24/05/2021 | Minor | Spring 2021/22 | 13, 14 | No |
|  |  |  |  |  |