

Proposal to amend the DPT of the MSc Data Science from 2021/22

Problem

The course **MATH11176 Statistical Programming** is listed as choice in the Group A1, but the course requirements state that *“This course is available to Mathematics MSc students only”*.

Solution

Remove **MATH11176 Statistical Programming** from the DPT.

The current DPT, with the required changes highlighted in red, is included in the next pages.

Degree Programme Table: Data Science (MSc) (Full-time)

(PTMSCDATSC1F)

Year 1 Academic year: ~~2020/21~~ 2021/22, Starting in: September

Notes: Students are permitted to take a MAXIMUM of 30 credits of courses that are below Level 11. Before making your course choices, make sure you have discussed them with your Personal Tutor.

Compulsory courses

You must take these courses:

- [MSc Dissertation \(Informatics\)](#)
INFR11077 (60 credits) Must be passed at 50%
- [Informatics Research Review](#)
INFR11136 (10 credits)
- [Informatics Project Proposal](#)
INFR11147 (10 credits)

Course options

Group A

Select exactly 80 credits in this group.

Courses from School(s) O-P - DSCDT - MACHINE LEARNING - Level(s) 10-11

Notes: These are courses in Machine Learning, Statistics, and Optimization open to taught postgraduate students.

Select between 10 and 60 credits of the following courses:

- [Data Mining and Exploration](#)
INFR11007 (10 credits)
- [Reinforcement Learning](#)
INFR11010 (10 credits)
- [Machine Learning and Pattern Recognition](#)
INFR11130 (20 credits)
- [Machine Learning Practical](#)
INFR11132 (20 credits)
- [Probabilistic Modelling and Reasoning](#)
INFR11134 (20 credits)
- [Natural Computing](#)
INFR11161 (10 credits)
- [Introductory Applied Machine Learning](#)
INFR11182 (20 credits)
- [Statistical Learning](#)
MATH10094 (10 credits)

- [Statistical Methodology](#)
MATH10095 (10 credits)
- [Applied Statistics](#)
MATH10096 (10 credits)
- [The Analysis of Survival Data](#)
MATH11024 (10 credits)
- [Fundamentals of Optimization](#)
MATH11111 (10 credits)
- [Time Series](#)
MATH11131 (10 credits)
- [Modern Optimization Methods for Big Data Problems](#)
MATH11146 (10 credits)
- [Large Scale Optimization for Data Science](#)
MATH11147 (10 credits)
- [Bayesian Data Analysis](#)
MATH11175 (10 credits)
- ~~[Statistical Programming](#)~~ ← This course is available to Mathematics MSc students only
~~MATH11176 (10 credits)~~
- [Bayesian Theory](#)
MATH11177 (10 credits)
- [Incomplete Data Analysis](#)
MATH11185 (10 credits)
- [Nonparametric Regression Models](#)
MATH11186 (10 credits)
- [Generalised Regression Models](#)
MATH11187 (10 credits)
- [Integer and Combinatorial Optimization](#)
MATH11192 (10 credits)
- [Topics in Applied Optimization](#)
MATH11194 (10 credits)

AND

Courses from School(s) O - DSCDT - DATABASES - Level(s) 10-11

Notes: These are courses in Databases and Data Management Systems open to taught postgraduate students.

Select between 10 and 60 credits of the following courses:

- [Algorithms and Data Structures](#)
INFR10052 (10 credits)
- [Introduction to Databases](#)
INFR10080 (20 credits)
- [Fundamentals of Data Management](#)
INFR11176 (10 credits)
- [Advanced Database Systems](#)
INFR11199 (20 credits)

AND

Courses from School(s) O/I/P - DSCDT - APPS - Level(s) 11

Notes: These are courses in Unstructured Data and Applications open to taught postgraduate students.

Select between 10 and 60 credits of the following courses:

- [Automatic Speech Recognition](#)
- INFR11033 (10 credits)
- [Accelerated Natural Language Processing](#)
- INFR11125 (20 credits)
- [Image and Vision Computing](#)
- INFR11140 (10 credits)
- [Text Technologies for Data Science](#)
- INFR11145 (20 credits)
- [Natural Language Understanding, Generation, and Machine Translation](#)
- INFR11157 (20 credits)
- [Bioinformatics 1](#)
- INFR11160 (10 credits)
- [Speech Synthesis](#)
- LASC11062 (10 credits)
- [Optimization Methods in Finance](#)
- MATH11158 (10 credits)
- [Biomedical Data Science](#)
- MATH11174 (10 credits)

AND

Group B

Select exactly 20 credits in this group.

Level 10 and 11 courses in Schedules A to Q, T and W

Notes: These are courses in all schools other than Medicine, Veterinary Studies, or the Centre for Open Learning. Note this includes courses within the School of Informatics. Students may not register for introductory programming courses in other parts of the University unless explicitly listed in the DPT

Select between 0 and 20 credits from [Level 10 and 11 courses in Schedules A to Q, T and W](#)