



**ROINN NA MATAMAITICE AGUS NA STAITISTICE
DEPARTMENT OF MATHEMATICS & STATISTICS**

POSTGRADUATE HANDBOOK

2023/2024

Ollscoil na hÉireann, Má Nuad, Co. Chill Dara, Éire.

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ABOUT THE DEPARTMENT OF MATHEMATICS & STATISTICS

Welcome to the Maynooth University Department of Mathematics and Statistics. We are normally located in Logic House at the southern end of the old Campus. We hope you find this handbook of some help to you. If you have any further enquiries, please email mathsstats@mu.ie.

OFFICE HOURS –

10.00 a.m. - 11.00 a.m.

12.00 p.m. - 1.00 p.m.

2.00 p.m. - 4.00 p.m.

E-mail: mathsstats@mu.ie

Website: <https://www.maynoothuniversity.ie/mathematics-and-statistics>

The information in this handbook is as accurate as we can make it at the time of going to press, but it may be in error. In the event of difference, the official University rules and procedures take precedence over anything in this handbook, and nothing in this handbook should be understood as official.

TERM DATES: 2023-2024

<https://www.maynoothuniversity.ie/registrar/key-term-dates>

FIRST SEMESTER

Orientation Week	18 th September 2023	22 nd September 2023
First Semester	25 th September 2023	22 nd December 2023
Study Week	30 th October 2023	3 rd November 2023
Christmas Break	22 nd December 2023	29 th December 2023
Study Period	8 th January 2024	13 th January 2024

SECOND SEMESTER

Second Semester	6 th February 2024	10 th May 2024
Study Week	25 th March 2024	28 th March 2024
Easter Vacation	1 st April 2024	5 th April 2024
Study Period	13 th May 2024	16 th May 2024

DEPARTMENT STAFF

Professor Stephen Buckley, Head of Department

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/stephen-buckley>

Dr Ian Banfield, Lecturer

<https://www.maynoothuniversity.ie/people/ian-banfield>

Dr Stefan Bechtluft-Sachs, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/stefan-bechtluft-sachs>

Dr Niamh Cahill, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/niamh-cahill>

Dr Galatia Cleanthous, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/galatia-cleanthous>

Dr Rafael de Andrade Moral, Senior Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/rafael-de-andrade-moral>

Dr Detta Dickinson, Senior Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/detta-dickinson>

Dr Katarina Domijan, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/katarina-domijan>

Dr Catherine Hurley, Senior Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/catherine-hurley>

Dr Ciarán Mac an Bhaird, Senior Lecturer

Director, Mathematics Support Centre

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/ciar-n-mac-bhaird>

Professor David Malone

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/david-malone>

Professor Oliver Mason

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/oliver-mason>

Dr Pat McCarthy, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/pat-mccarthy>

Dr Keefe Murphy, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/keefe-murphy>

Dr John Murray, Senior Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/john-murray>

Dr Fiacre Ó Cairbre, Senior Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/fiacre-cairbre>

Professor Ann O'Shea

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/ann-oshea>

Professor Andrew Parnell

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/andrew-parnell>

Dr Mark Walsh, Lecturer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/mark-walsh>

Professor David Wraith

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/david-wraith>

SUPPORT STAFF

Mr Stephen Fagan, Executive Assistant

<https://www.maynoothuniversity.ie/people/stephen-fagan>

Ms. Janice Love, Senior Technical Officer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/janice-love>

Ms. Gráinne O'Rourke, Administrator

(Tel: 01 – 7083914/3651)

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/gr-inne-orourke>

Mr. Anthony Waldron, Technical Officer

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/anthony-waldron>

POSTGRADUATE COORDINATORS

MATHEMATICS 2019/-

Dr Mark Walsh

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/mark-walsh>

HIGHER DIPLOMA IN DATA ANALYTICS 2020/-

Dr Rafael de Andrade Moral

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/rafael-de-andrade-moral>

MASTERS IN DATA SCIENCE AND ANALYTICS 2020/-

Dr Katarina Domijan

<https://www.maynoothuniversity.ie/faculty-science-engineering/our-people/katarina-domijan>

PhD in STATISTICS 2020/-

Dr Catherine Hurley

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people/catherine-hurley>

RESEARCH INTERESTS OF STAFF

For the most accurate and up-to-date information, please go to the department website

<https://www.maynoothuniversity.ie/mathematics-and-statistics/our-people>

INTRODUCTION TO POSTGRADUATE COURSES

The Mathematics & Statistics Department offers postgraduate students the opportunity to study Mathematics or Statistics for the degrees of PhD, MSc, MA, or for a Higher Diploma in Mathematical Studies, Mathematics and Statistics, Data Analytics, or a Masters in Data Science & Analytics.

Please note that all postgraduate Mathematics and Statistics courses can be taken on a part-time basis over two or more years. Students who study on a part-time basis attend the regular daytime classes. The Department does not offer any classes during the evening or at weekends.

Information on Fees can be found on the University website at:

<https://www.maynoothuniversity.ie/student-fees-grants>

HIGHER DIPLOMA IN MATHEMATICAL STUDIES

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/higher-diploma-mathematical-studies>

HIGHER DIPLOMA IN MATHEMATICS

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/higher-diploma-mathematics>

HIGHER DIPLOMA IN STATISTICS

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/higher-diploma-statistics>

HIGHER DIPLOMA IN DATA ANALYTICS

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/higher-diploma-data-analytics>

MSc in MATHEMATICS OR STATISTICS BY RESEARCH

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/msc-mathematics>

MSc in MATHEMATICS BY EXAMINATION

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/msc-mathematics-0>

MASTER IN DATA SCIENCE AND ANALYTICS

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/msc-data-science-and-analytics>

PHD IN MATHEMATICS

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/phd-mathematics>

PHD IN STATISTICS

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/courses/phd-statistics>

ERASMUS PROGRAMME

The Department has exchange agreements under the ERASMUS programme with a number of European universities. Students may spend up to half of one year at another university under this program, provided that a suitable programme of studies is arranged. For the Masters degree by examination, certain courses offered at the Universities of Kiel, Tübingen, Ulm (Germany), and the University of La Laguna (Tenerife) have been approved by the NUI as suitable to form part of the Maynooth course. You can find some useful links at

<https://www.maynoothuniversity.ie/international>

SCHOLASTIC FUNDING

There are opportunities for talented postgraduate students to get funding at Maynooth University, in either taught or research-based courses. Depending on the nature of the award, this can range from funding to cover fees, up to a full scholarship with not only fees, but a living allowance and provision for expenses also.

Competition for both Maynooth University funding and funding from other agencies is very high.

Further information can be found on the Maynooth University website at:

<https://www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/fees-funding-scholarships>

RESEARCH STUDENT SUPERVISORY POLICIES

For information about the University's research student policies, contact Marie Murphy of the Graduate Studies Office (marie.murphy@mu.ie).

Students doing research degrees should also read the Mathematics & Statistics Department Research Student Policy Document:

https://maynoothuniversity.ie/sites/default/files/assets/document/policy_res_student_2022.pdf

Structured Research students must take a certain number of taught modules, as explained in the above policy document. Other research students can also avail of these modules. The most relevant modules are the 800 level modules on the following webpage, although 500-level and other modules can also be taken with the permission of the Head of Department:

<https://www.maynoothuniversity.ie/mathematics-and-statistics/undergraduates/module-descriptors-202324>

(Above link will be active from September 2023)

HOW TO APPLY FOR A POSTGRADUATE COURSE AT MAYNOOTH UNIVERSITY

TAUGHT POSTGRADUATE COURSES:

Before you submit an application, please discuss your choice of course with the relevant Department Postgraduate Coordinator (see the names of the coordinators above).

RESEARCH DEGREE:

Before submitting any application for a Research degree, please ensure you have the prior agreement of a research supervisor.

If you have satisfied the above criteria, you may proceed and submit your application to the:

POSTGRADUATE APPLICATIONS CENTRE

www.pac.ie/