

First Announcement: Induction Course for New Lecturers in the Mathematical Sciences 2021 Isaac Newton Institute for Mathematical Sciences, Cambridge 14 – 15 September 2022

Through a community initiative supported by the Institute of Mathematics and its Applications, the Isaac Newton Institute for Mathematical Sciences and the Heads of Departments of Mathematics Sciences (HoDoMS) and endorsed by the Royal Statistical Society, the London Mathematical Society, and the Edinburgh Mathematical Society we are delighted to announce that in September 2021 the two-day Induction Course for lecturers new to teaching mathematics and statistics within Higher Education will once again take place.

Whilst arrangements may still be subject to change due to the ongoing Covid-19 situation and any future Government guidance, we are currently preparing for the Induction Course to be delivered as an in-person only activity to maximise the opportunities for informal networking and discussion that have long formed a highly-valued part of this meeting.

The Induction Course for New Lecturers in the Mathematical Sciences has been designed by the mathematics community so that it is ideally suited for anyone who is new to or has limited experience teaching mathematics or statistics within UK higher education. It will be delivered by individuals with significant experience of teaching in the mathematical sciences and will focus upon the specific details and issues that arise in mathematics and statistics teaching and learning within higher education including topics such as:

- Lecturing.
- Supporting student learning.
- Making teaching interactive.
- Assessment and feedback.
- Linking teaching & research.
- Using technology to enhance teaching and learning.
- Using examples and mathematical problem solving.
- Teaching statistics and its applications.

Additionally there will be significant opportunities for delegates to discuss their own ideas, challenges and experiences with the session facilitators so that individual queries can be answered.

Draft Programme

Please note, the ordering of sessions is subject to change.

Wednesday 14 September 2022	
0915	Registration
0945	Welcome & introduction to the Isaac Newton Institute for Mathematical Sciences <i>Ulrike Tillmann, Isaac Newton Institute</i>
1000	What makes a good mathematics lecture? <i>Michael Grove, University of Birmingham</i>
1115	Preparing to change: Adapting your teaching for online delivery <i>Joe Kyle, University of Birmingham</i>
1215	Lunch
1300	Making teaching in the mathematical sciences more interactive <i>Lara Alcock, Loughborough University</i>
1415	How to teach mathematical thinking <i>Kevin Houston, University of Leeds</i>
1530	Tea / Coffee
1545	What makes an example exemplary? <i>John Mason, The Open University</i>
1700	Just what can we reasonably expect our incoming undergraduates to know? <i>Louise Walker, University of Manchester</i>
1730	Sharing challenges and experiences [Interactive Discussion]
1800	Check in to Accommodation
1930	Meet for travel to Dinner
2000	Dinner

Thursday 15 September 2022	
0745	Breakfast

0915	Linking teaching and research – planning for the future <i>Steve Otto, The R&A</i>
1015	Designing course assessments and the use of technology in assessment <i>Chris Sangwin, University of Edinburgh</i>
1130	Tea / Coffee
1145	Statistical literacy – getting the message across <i>Rachel Hilliam, The Open University</i>
1300	Lunch
1345	Supporting students in the mathematical sciences <i>Louise Walker, University of Manchester</i>
1500	Sharing challenges and experiences [Interactive Discussion]
1530	Tea/Coffee and Close

Certification

In the past, attendance at the Induction Course has been recognised as contributing towards some institutional programmes in learning and teaching for new staff.

The Higher Education Services Area Committee of the IMA has reviewed the content and specification of the 2022 Induction Course relative to the UK Professional Standards Framework (UKPSF) for Teaching and Supporting Learning in Higher Education¹. As a consequence, the IMA will provide all participants who complete the Induction Course **in full** with a certificate confirming they have completed 12.25 hours of learning activities and that demonstrates how these activities align with the dimensions of the UKPSF. It is hoped that such certification will enable participants to receive recognition towards their own institutional training programmes as a result of attending this Induction Course.

Timing

The Induction Course takes place at the Isaac Newton Institute for Mathematical Sciences at the University of Cambridge and commences early-morning on the 14 September, and ends late-afternoon on the 15 September. Accommodation will be offered at the University of Cambridge on the evening of the 14 September for any delegates who attend in person, although any in-person attendance will be dependent upon the Covid-19 situation at the time.

As such, we reserve the right to make necessary changes to arrangements in response to Government legislation and guidance.

¹ https://www.heacademy.ac.uk/system/files/downloads/uk_professional_standards_framework.pdf

Induction Course Costs

Following generous financial support from the Isaac Newton Institute for Mathematical Sciences, the Institute of Mathematics and its Applications and the Heads of Departments of Mathematical Sciences, we are able to offer the Induction Course at the following subsidised rates:

Full residential delegate rate* (Both days including all lunches, refreshments, Course dinner and accommodation on 18 September)	£299
Two-day delegate rate (Both days including all lunches, refreshments, Course dinner but <u>no</u> accommodation)	£240
Day delegate rate (including lunch and refreshments)	£95
Induction Course dinner (as a separate purchase)	£56

* Please note that accommodation is allocated on a first-come-first served basis.

Contacts and Registration

Registration is now open via <https://my.ima.org.uk/>.

If you are an IMA Member or you have previously registered for an IMA conference, then you are already on our database. Please *“request a new password”* using the email address previously used, to log in.

For questions or queries about the academic content or structure of the Induction Course, please contact Michael Grove: m.j.grove@bham.ac.uk

For general conference queries please contact: conferences@ima.org.uk

For further details as they become available, please visit: <https://ima.org.uk/19278/induction-course-for-new-lecturers-in-the-mathematical-sciences-2022/>