Variation to the Course Information Document

For Academic Year 2020/21

Name of programme(s) and award type(s): *(such as Single Honours History with International Year)*	BSc Mathematics SH/CH and MMath

Dear students,

As part of our commitment to continually work to improve our programmes, and in light of our plans to start next academic year with a hybrid delivery model due to the impact of Covid-19, we are confirming in this document the changes to your programme in the Academic Year 2020/21. More general information about what studying at the University will be like in 2020/21 can be found here:
https://www.keele.ac.uk/coronavirus/operations/

Overview of changes to your programme

The major agreed change to take place from 2020/21 is to open a possibility for Mathematics students to take one elective module per year, in order to increase the variety and diversity of topics that students can study during their degree, being in line with the Elective Pathways project.

Specific planned changes

How the programme will be taught *(include any significant changes to the balance between on campus and digital delivery and what students can expect)*	In-situ teaching will comprise flipped examples classes to support modules at all levels, where students get to discuss solutions to problems set beforehand with each other and members of staff. These in-situ classes will comprise 10-20 % of your weekly learning activity (approximately 2-4 hours per week depending on level of study). All in-situ sessions will take place with adherence to current Government guidance, with room capacities reduced accordingly.
	For the online curriculum, there will be opportunities for you to engage in dialogue with fellow students and academic colleagues, with a strong commitment to fostering a safe, supportive hybrid learning community. Approximately 80-90% of your learning will be delivered online, with resources and educational materials being provided through a mix of 'live' (synchronous) and asynchronous activities. Synchronous sessions will require that you are present online at a given time, and these sessions will be timetabled. These sessions will consist of a weekly, one-hour Q and A session for each module (2 – 4 hours per week will be available for all students). Students will also be invited to online research seminars given within the School, and additional ad-hoc talks as appropriate. Asynchronous means that your learning and engagement with the resources will not be restricted to a specific time, and you can engage with these materials at your own pace and at a time which suits you. These online learning materials will include, but are not

	limited to, short videos and screen casts (replacing lectures), directed reading and other self-directed learning. Approximately 80-90% of your online learning will be asynchronous.
Changes to placements, field courses or other practical activities *(where applicable)*	N/a
Learning resources and any potential additional costs *(such as equipment requirements)*	The KLE will be used to deliver recorded materials and all reading lists will be updated to contain digital alternatives to physical books where possible. Video conferencing software such as Microsoft Teams will be used to deliver online synchronous sessions. Given an increasing level of online teaching and assessments for this programme, it would be preferable if students had access to computer equipment with a webcam and microphone. It may also be preferable for students to have adequate Wi-Fi connectivity and associated internet speeds. Students who need support in accessing appropriate IT equipment may be eligible to apply for support from the University's hardship fund.
How the programme will be assessed *(a general summary of changes to assessment methods)*	It is planned that for all modules that had unseen examinations as a core assessment component, the assessment strategy will change. These will be replaced by approximately three online assignments.
How students are supported *(any alternative arrangements such as communication methods, support networks etc.)*	Students will be supported as usual through learning materials on the KLE, electronic reading lists and the flipped example classes. In addition, regular Q&A online sessions for each module are planned as well as opportunities for students to access personal tutor support via online platforms.

Updated module lists for 2020/21

There are no changes to the modules listed in the programme specification.

For further information on the content of modules currently offered, including the list of elective modules, please visit: https://www.keele.ac.uk/recordsandexams/modulecatalogue/

The module selection website can be accessed here: https://www.keele.ac.uk/modules/