

Variation to the Programme Specification

For Academic Year 2020/21

Name of programme and award type: <i>(such as Single Honours History with International Year)</i>	MSc in Pharmaceutical Development with Business Management (also the associated PGCert and PGDip exit points)
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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/>

Specific planned changes

<p>How the programme will be taught <i>(include any significant changes to the balance between on campus and digital delivery and what students can expect)</i></p>	<p>In Semester 1 of the 2020-21 academic year:</p> <p>For Module PHA – 40173 Product Development and Management, all lectures/taught sessions (such as seminars) will be delivered online, in a blend of interactive synchronous and asynchronous sessions. These will vary in their exact mode of delivery and interaction between different academics via a variety of online delivery platforms that the University/School subscribes to.</p> <p>Small group teaching such as tutorials will also be conducted digitally with students being organised into teams on online platforms such as MS Teams (or another suitable platform).</p> <p>There will be timetabled, synchronous taught/interactive (e.g. workshop) sessions which allows you to have immediate and direct interaction with the academic and your peers over an online platform such as MS Teams. You will be expected to join in and engage with the session at the set time. It is highly advisable that you complete any pre-work required for such sessions and engage with such sessions as it will be an opportunity for cohesive development as it offers you direct access to expertise and peer support from your cohort.</p> <p>Some asynchronous teaching sessions may also be timetabled as project study/small group/paired interactive sessions. This is done to enable students with different commitments to plan for protected study/group work time. You will still be expected to engage with/attend such sessions at the allocated time.</p> <p>Asynchronous teaching sessions - you will be expected to time</p>
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	<p>manage and organise your own appropriate learning sessions and complete any direct reading/work in your own time. Materials/Resources required for such sessions will be made available on our virtual learning environments (e.g. KLE or MS Teams or other suitable platforms) or communicated to you by the academic responsible for the session.</p> <p>Semester 3 is a project semester taking place over Summer 2021. Depending on the unlikely scenario that we will be operating at Levels 3, 4 and 5, then a laboratory / external partner-based project (research or audit) is not likely to be possible. Computer based/computational projects will instead be offered. At Operational Level 3, limited lab-based projects in locations that allow safe distancing and are deemed COVID19 secure may be available for students to choose from. Any induction or training required for the projects will be conducted over a digital platform at Operation Levels 3, 4 and 5.</p> <p>Should we start moving towards operation Levels 2 and 1 at any point in the academic year, then we will commence a ‘phased-return’ of campus-based delivery of taught sessions and assessments in a COVID19 secure fashion. You will be notified of this in advance of the taught session.</p>
<p>Changes to placements, field courses or other practical activities (<i>where applicable</i>)</p>	<p>At Operation Level 3, 4 and 5 any practical activity in Semester 1 is likely to be replaced with a suitable digital equivalent available on our virtual learning environments such as the KLE or MS Teams or other suitable platforms/apps that the University/School subscribes to.</p> <p>In Semester 2, if operating at Level 3 (or Levels 4 or 5), where social distancing cannot be maintained in specific laboratory classes or laboratories are shut; these sessions will either be replaced with online resources or suitable alternatives.</p> <p>At Level 3, an example of a suitable alternative, resource and practicality permitting, is for students to participate in a practical session by joining in a ‘live’ session where an academic, using recording and broadcasting equipment, conducts the experiment which may require student input/instruction at the point of experimentation. If this does take place, then students will be expected to engage with such synchronous, virtual sessions as it will offer a virtual laboratory experience and allow you to have a theoretical working knowledge of our laboratory equipment. A recording of the session will also be made available on our virtual learning platforms.</p> <p>These sessions could also be replaced with data being provided to you to interpret (this will be our main alternative at Levels 4 and 5 as laboratories will be closed). This data could be generated by academics independently or possibly with the input of students. The data provided could also be supplement with links to videos (recorded by Keele or could also be by external parties if suitable) which may aid your understanding and interpretation of the data. This will be part of our asynchronous delivery to allow students with different levels of caring responsibilities and commitments to also</p>

	<p>engage with our practical activities.</p> <p>Alternatively, these sessions could run with reduced numbers of students to ensure appropriate physical distancing in a laboratory setting. There is a possibility that the variety/number of laboratory sessions in a module may be reduced to accommodate multiple, repeat sessions for such small groups.</p> <p>In all cases, the alternative provisions will ensure that appropriate learning outcomes are still met.</p> <p>Semester 3 is a project semester taking place over Summer 2021. Depending on social distancing requirements, limited lab-based projects in locations that allow safe distancing and are deemed COVID19 secure may be available for students to choose from. Computational/digital resource-based projects will also be available.</p> <p>Any induction or training required for the projects will be conducted over a digital platform.</p> <p>For external site visits, advice on the exact nature of the visits will be agreed with the external providers and will take account of government advice.</p>
<p>Learning resources and any potential additional costs (<i>such as equipment requirements</i>)</p>	<p>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.</p> <p>You will require such equipment to access your learning materials, to engage with taught sessions and discussions and to access and complete assessments. It is therefore vital for you to have access to the IT equipment listed above and the internet. If you think you will face issues with IT access, then please approach your personal tutor or programme director (Dr. Szu Shen Wong) at the earliest opportunity.</p> <p>Whilst you will likely to have access to most (if not all) required reading/learning resources via the provision of eBooks/journal articles through the Keele Library, you may want to supplement these by purchasing some of the required or supplementary reading material yourself.</p> <p>Unfortunately, some books are also not available in a digital format and a physical copy will either have to be borrowed or purchased. The Keele Library should still be available to access at any time (unless there is a scheduled downtime) of the day, year-round, irrespective of our operational level; electronically via our online platform/website. You will require your student ID and password to log-in for access.</p> <p>You may be required to download and install some software (and associated software license) onto your IT device(s). These may</p>

	<p>either be free or those that the University/School has already purchased. There could be an unlikely chance that you may need to purchase some software/software licenses for your own use.</p> <p>If you are experiencing issues/ problems accessing IT hardware and software, please speak to your personal tutor and your programme director (Dr. Szu Shen Wong) at the earliest opportunity to enable us to help you.</p> <p>Keele Central IT may be able to help you resolve some issues. There numerous ways to get in touch with them. You can find out more here: https://www.keele.ac.uk/it/contactus/</p>
<p>How the programme will be assessed <i>(a general summary of changes to assessment methods)</i></p>	<p>All assessments that were not originally designed to be done over a digital platform will now be conducted digitally via our virtual learning environments such as the KLE or MS Teams or other suitable platforms/apps. Moderation and/or second (or third) marking will also take place digitally.</p> <p>Your module lead and/or academic responsible for the assessment will inform you of the assessment format and any associated changes, if taking place. Any changes that take place will also be assessed by academics to ensure they will not cause any detriment to your development or achievement. They will also be communicated to you as early as possible to allow you to prepare for your assessment(s).</p> <p>Closed book, invigilated examinations may be replaced with open book and / or online resources if appropriate. In the event of any changes to existing assessments you will be notified well in advance of any changes and provided with suitable resources to help you in the completion of any such assessments.</p> <p>Small group assessments will, if operating under Level 3, move to a digital platform for delivery, participation and submission. For this resource if online delivery and participation is required appropriate groups will be constructed via MS Teams or another suitable platform. This will also apply to other aspects of group work (e.g. oral presentations) throughout the programme. The same will apply for oral presentation/viva/viva-like assessments.</p> <p>The introduction of “small-scale” assessments which sits within an existing assessment component may be introduced to suitable modules if necessary, to encourage engagement from students. These assessments will vary depending on the exact needs of each module and will be incorporated into the exam component of each module.</p> <p>All other assessments such as essays, portfolios, reports and such like can be submitted digitally via our online learning environment platform – the KLE as per usual guidelines.</p> <p>Phased return of campus-based assessments (e.g. oral presentation or viva) will be done only when risk-assessed to be safe enough and done in a COVID19 secure manner.</p>

	When and if we do, move to Operation Levels 2 and 1 at any point of the academic year, examinations may revert back to the original closed-book, invigilated format. If this does occur, you will be notified of such changes well in advance of the exam.
How students are supported (<i>any alternative arrangements such as communication methods, support networks etc.</i>)	<p>You will be supported by the approaches agreed across the School of Pharmacy and Bioengineering, which involves regular updates and a more detailed plan of upcoming teaching sessions.</p> <p>Induction week will likely take place virtually via online platforms such as MS Teams.</p> <p>You will also be assigned a personal tutor who will be able to offer pastoral support. You can request for additional meetings at a mutually agreed time with your personal tutor if you require the pastoral support. These meetings are likely to take place virtually via platforms such as MS Teams when we are operating at Levels 3, 4 and 5. This is to allow us to safeguard you and staff as well.</p>

Updated module lists for 2020/21

Year 1 / Level 7

Compulsory modules	Module Code	Credits	Semester	Added/removed/unchanged?
Product Development and Management	PHA-40173	30	1	Assessment type unchanged. Delivery/assessment method will change according to University's Level of Operation as listed previously.
International Operations and Supply	MAN-40110	15	1	
International Business Context	MAN-40114	15	1	
Quality by Design	PHA-40169	15	2	Assessment type unchanged. Delivery/assessment method will change according to University's Level of Operation as listed previously.
Applied Pharmaceutical Analysis	PHA-40174	30	2	Assessment type unchanged. Delivery/assessment method will change according to University's Level of Operation as listed previously.
Development of Biopharmaceuticals	PHA-40190	15	2	Assessment type unchanged. Delivery/assessment method will change according to University's Level of Operation as listed previously.
Pharmaceutical Development with Business Management Project	PHA-40171	60	3	Assessment type unchanged. Delivery/assessment method will change according to University's Level of Operation as listed previously.
Optional modules	Module Code	Credits	Semester	
none	N/A	N/A	N/A	N/A