



MSc Course Booklet

MSc: Drug Discovery Science

2024 / 2025

University of Sheffield
Chemistry

Welcome

On behalf of Chemistry at the University of Sheffield, We want to warmly welcome you to Sheffield. You have chosen to study in a School that is proud of its reputation for excellence in both teaching and research, and which prides itself on taking a close interest in everyone who studies with us.

This booklet gives you all the information that you need to go about your course during your year with us. We do expect you to read this carefully, and make sure that you understand just what is required for success on your course.

We are all here to support you, and to see you succeed. The booklet explains everything that you need to know about the course and get support and help when you need it. Whatever you are used to in your previous place of study, it is the common practice here to ask for help whenever you need it.

Just occasionally, things do go wrong. If you have personal difficulties, please do contact your personal tutor, or the course director. Also please do follow the University rules on conduct, including plagiarism and collusion. It is important that you do not put your studies at risk by not fully understanding the regulations of the university.

Above all, we wish you a most stimulating time here in Sheffield, and hope that the course will take you on in your career.

Best wishes for session 2024/25

Dr. Colin Crook
Director of Postgraduate Taught Courses
Chemistry

Professor Beining Chen
Course Director, MSc in Drug Discovery Science

Dr. Natacha Veerapen
Deputy Course Director, MSc in Drug Discovery Science

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PART I Teaching

1.1 Programme details

Awards:	MSc in Drug Discovery Science
Awarded by:	University of Sheffield
School:	School of Mathematical and Physical Sciences
Length and Mode:	1 year full-time
Credits:	180 credits at Level 7
ECTS:	72 ECTS
Programme Director:	Professor Beining Chen
Deputy Programme Director :	Dr. Natacha Veerapen

1.2 Programme level description

Master's level awards are set at Level 7 of the Framework for Higher Education Qualifications in England, Wales and Northern Ireland (FHEQ) published by the Quality Assurance Agency for Higher Education (QAA) (<https://www.qaa.ac.uk/docs/qaa/quality-code/qualifications-frameworks.pdf>).

Descriptors for the Level 7 qualification are in two parts: (1) what each student must demonstrate in order to gain the award, and (2) the wider abilities that the typical student is expected to develop.

The MSc in Drug Discovery Science is awarded to students who have demonstrated:

1. Ability to formulate and solve a range of drug discovery problems by using a logical methodology, as well as by demonstrating creative and analytical thinking.
2. Capability to use and apply a range of laboratory techniques and analytical tools and be capable to evaluate and validate the results.
3. Skills in compiling, processing and presenting the results of research-level investigations by using appropriate information technology.
4. Competence to plan, evaluate and produce advanced project work in a research environment, by applying and discriminating the appropriate knowledge within and up to the frontiers of the discipline.
5. Expertise to propose creative and innovative solutions to known scientific or technological challenges or apply known solutions to new situations typical of a research environment.
6. Proficiency to work independently and as a part of a team deploying effective team organisation and personal responsibility.
7. Aptitude to meet deadlines and demonstrate effective time management.

Typically, holders of the MSc in Drug Discovery Science will be able to:

1. Deal with complex issues both systemically and creatively, make sound judgments in the absence of complete data;

2. Communicate their conclusions clearly to specialist and non-specialist audiences;
3. Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level;
4. Continue to advance their knowledge and understanding through continuing professional development;
5. Develop new skills to an advanced level in drug discovery.

And will have:

The qualities and transferable skills necessary for employment requiring:

1. The exercise of initiative and personal responsibility; decision-making in complex and unpredictable situations.
2. The independent learning ability required for continuing professional development.

1.3 Award of the MSc

To be considered for the award of the MSc degree, a student must take all the core modules and all of the modules belonging to their chosen pathway. Each module is assessed individually and is given an integer mark on a 100-point scale. The pass mark for each unit of assessment (module) is 50 on the 100-point scale and this must be obtained to receive the credits for the module. The credit values of all modules are listed on page 6.

A student requires 180 credits to receive a Master's degree automatically. That is, all modules must be passed. The MSc will be awarded with distinction to any student whose final credit weighted average mark is 69.5 or higher and has 90 credit units marked at 70 or greater. Any student who obtains a final average mark of at least 59.5 but lower than 69.5 and 90 credit units marked at 60 or greater will be awarded an MSc with merit. When calculating the average mark, individual marks are weighted in proportion to the number of credits carried by each module. Students who pass all modules but who do not meet the criteria for a merit category will be awarded a pass.

In summary:

A **PASS** is awarded if a student earns all 180 credits.

A **MERIT** is awarded if the student's overall GPA is 59.5% or above, and they have at least 90 credits with a grade of not less than 60%.

A **DISTINCTION** is awarded if the student's overall GPA is 69.5% or above, and they have at least 90 credits with a grade of not less than 70%.

Important notes: a student who achieves a pass mark in modules worth 120 credits but who does not pass the criteria for the MSc will be awarded a Postgraduate Diploma. A student who passes 60 credits is entitled to receive a Postgraduate Certificate in Education. It should be underlined though, that students may also choose to pursue one of these two qualifications, as set out in the course Regulations, without taking the entire MSc course, but selecting them from the beginning.

1.4 Course structure

This section contains brief outlines of the modules that are available for the MSc in Drug Discovery Science. You will receive more detailed Module outlines at the start of the module and the content may be slightly different to the information published here. This is because staff are constantly updating their teaching considering developments in current research and new thinking.

The modules are summarised below:

Core Units (75 credits)

(These are a compulsory part of your degree: you cannot change them).

1A

A student will take

Semester 1			
MED458	Laboratory Practice and Statistics	AUT SEM	15 credits
Full academic year			
CHM455	Research, Presentation and Professional Skills	ACAD YR	30 credits
CHM61017	Drug Design, Pharmacology & Medicinal Chemistry	ACAD YR	30 credits

Approved Units (45 credits)

(These are on a restricted list of modules offered by different departments. Normally you will need to select a minimum number of credits from the list)

1B

A student will take 45 credits from this group.

Semester 1			
BIS437	The Biotech and Pharmaceutical Industry	AUT SEM	15 credits
Semester 2			
BIS440	Genomic Approaches to Drug Discovery	SPR SEM	15 credits
BMS448	Cancer Biology	SPR SEM	15 credits
Full academic year			
CHM457	Chemical Biology	ACAD YR	15 credits
CHM61013	Medicinal Chemistry and Drug Synthesis	ACAD YR	15 credits

Core Units (60 credits)

(These are a compulsory part of your degree: you cannot change them.)

1C

A student will take

Any Semester

CHM61014 Drug Discovery Research Project

GRAD YR

60 credits

2

A student who has been awarded one hundred and twenty credits in respect of units listed at 1A and 1B above will be eligible for the award of the Postgraduate Diploma Drug Discovery Science.

3

A student who has been awarded sixty credits in respect of units listed at 1A and 1B above will be eligible for the award of the Postgraduate Certificate Drug Discovery Science.

In the next section there is a description of these modules

1.5 Module outlines

(i) Core modules (75 Credits)

CHM458	Laboratory Practice and Statistics	AUT SEM 15
<u>Credits</u>		

Module Leader: Gareth Richards
E-mail: g.richards@sheffield.ac.uk

The module covers techniques and analytical methods commonly used by most researchers in human molecular biology. Students learn the importance of experimental design and application of statistical methods for power and significance calculations for different types of experiment. In group work, students design a poster to present a set of data. In practical laboratory classes, students are shown how to perform a series of techniques that are frequently used in molecular biology, analyse their data statistically and present results in a formal laboratory notebook.

The module will be delivered via lectures, tutorials, problem solving workshops, laboratory work and independent study.

The module will be assessed by formal exam, course work and practical laboratory reports.

CHM455	Research, Presentation and Professional Skills	ACAD YR 30 Credits
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Module Leader: Natacha Veerapen
e-mail: n.veerapen@sheffield.ac.uk

This module aims to prepare students to become professional scientific researchers ready to conduct a research project. Students will be taught how to retrieve and critically assess the existing literature on a particular research topic and to communicate this as a scientific review. They will learn about the attributes of an ethical researcher, scientific method and how to undertake research safely and responsibly and how to manage data. In addition, students will acquire professional skills relevant to their future employability and learn how to present scientific information. In the final part of the module students will take charge of their own development and undertake a training needs analysis supported by an experienced researcher. This will allow them to tailor their subsequent training to the project they are about to undertake and to their wider individual professional and researcher development.

The module will be delivered via lectures,, problem solving workshops, and independent study.

The module will be assessed by a portfolio detailing their progress made in improving diverse skills such as computer literacy, scientific writing, experimental and communication skills , an essay (literature review), and an oral presentation.

CHM61017	Drug Design, Pharmacology and Medicinal Chemistry	ACAD YR 30 credits
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Module leader: Beining Chen
E-mail: b.chen@sheffield.ac.uk

The discovery and development of new drugs requires a multidisciplinary approach, bringing together anatomy, physiology, pharmacology and toxicology. In this module, students learn about these areas as they build on their organic and medicinal chemistry knowledge. The

module covers concepts including pharmacodynamics, pharmacokinetics and basic toxicology, and looks in detail at strategies for optimising the pharmacodynamic, pharmacokinetic properties of drugs. Students will have hands-on experience of learning the use of the state-of-art computer aided drug design software to study drug-target interactions and create/design small molecule drug/analogues to target the disease-relevant macromolecular drug target. Students will be directed to conduct an independent piece of research on a selected drug and produce a profile guided by electronic common technical document (eCTD) dossier required by FDA, EMA and MHRA.

The module will be delivered via lectures supplemented by problem solving workshops and directed reading and independent research. The CADD part of the module will involve computer-based laboratory training and a computational laboratory project. Online learning support will include the lecture handouts and a workshop. Problem based course work will test literature understanding and application of course materials.

The module will be assessed by course work consisting of a drug portfolio report and computational drug design presentation.

(ii) Optional modules (45 Credits)

BIS437	The Biotech and Pharmaceutical Industry	AUT 15 credits	
BIS440	Genomic Approaches to Drug Discovery	SPR 15 credits	
BIS457	Cancer Biology	SPR 15 credits	
CHM457	Chemical Biology	ACAD YR	15 credits
CHM61013 F7	Medicinal Chemistry and Drug Synthesis	ACAD YR	15 credits

BIS 437 The Biotech and Pharmaceutical Industry AUT SEM 15 **Credits**

Module Leader: Stephen Brown
E-mail: stephen.brown@sheffield.ac.uk

This unit aims to provide an understanding and appreciation of the pharmaceutical and biotech industry and the processes involved in bringing a drug to market. The students will learn the processes of how to bring a small molecule to market including the legal, ethical, regulatory and financial constraints upon this process. This module will be taught by professionals from a wide range of companies in the drug industry and from the business services team here at the University of Sheffield. The course will teach students the major steps in the drug discovery process including; screening, development, testing, small molecule manufacture, venture capital funding, patent law, the growing field of contract research and the roles each company has within this industry. Students will learn directly from specialists within these fields. From the Sheffield business team, the students will learn how new ventures are started from University and the process of generating new spin out companies.

The module will be delivered via lectures, tutorials, independent Study.

The module will be assessed by formal exam and course work.

Advice for module choice: this module requires some basic chemistry/biology background.

BIS440 Genomic Approaches to Drug Discovery

SPR SEM 15

Credits

Module Leader: Stephen Brown

E-mail: stephen.brown@sheffield.ac.uk

The module will be a practical, laboratory based course in which students will learn to culture human embryonic stem (hES) cells and their malignant equivalent, embryonal carcinoma cells. The course will be an intensive two week programme in which students will maintain cultures of hES cells, and carry out experiments to determine the expression of marker antigens and genes used to identify the stem cells and monitor their differentiation. They will learn and apply techniques for genetic manipulation of hES cells, and methods for inducing their differentiation. The practical work will be supplemented by lectures directly linked to specific practical sessions. The module will teach students the basis of small molecule and functional genetic screens, focusing on human disease. Students will learn about the theory and practice of automated small molecule and genetic screens. Examples of screening methods that will be covered include traditional small molecule screens, modern functional genomics and high throughput phenotypic screens. The emphasis will be to appreciate every step that is involved in this process, from automation to analysis. The student will learn how the biotech, academic and pharmaceutical industry use these techniques to identify new candidates for potential therapies. The emphasis throughout will be to appreciate how experimental research can be used to identify candidate target genes for drug discovery and small molecules.

The module will be delivered via lectures, tutorials, problem solving, laboratory work and independent study.

The module will be assessed by formal exam and course work.

Advice for module choice: This is a more biology oriented module that suits students with a strong biology background.

BIS448 Cancer Biology

SPR SEM 15 Credits

Module Leader: Carl Smythe

E-mail: c.g.w.smythe@sheffield.ac.uk

The unit will provide a description and explanation of the characteristics of tumour cells and their relationship to the tissues of origin; genetic and environmental factors in the origins of tumours; cell culture models and animal models; carcinogenesis as a multi-step process, including the concept of stem cells, (cell proliferation and cell differentiation, metastasis and tumour-host interactions; oncogenes, tumour suppressor genes and oncogenic viruses; the relationships between tumour biology and developmental biology; tumour immunology; examples of particular tumours will be used to illustrate the foregoing topics. A brief review of fundamental principles in genetics and molecular cell biology will be given. Nevertheless, students should have a basic understanding of genetics, molecular biology and cell biology.

The module will be delivered via lectures, tutorials/workshops and independent study.

The module will be assessed by essay and formal exam.

Advice for module choice: This is a more biology oriented module that suits students with a strong biology background.

CHM457 Chemical Biology
credits

ACAD YR 15

Module Leader: Jane Grasby
E-mail: j.a.grasby@sheffield.ac.uk

The ability to synthesise biomolecules has led to many of the most significant developments in molecular and chemical biology and to the development of biopharmaceuticals. This module looks at how biomolecules are created, from both biological and chemical perspectives. Student's knowledge will build up from understanding the central dogma and basic chemistry of life, to exploring important chemical biology techniques such as DNA sequencing, polymerase chain reaction, protein overproduction and site directed mutagenesis. Topics also include the production of novel biomolecules for bioconjugation, rational design, directed evolution, antibody production, and the new discoveries that synthetic biology might open the door to.

The module will be delivered via lectures, independent study and problem solving workshop.

The module will be assessed by course work.

Advice for module choice: This is a more chemistry oriented module that suits students with strong chemistry background.

CHM61013 Medicinal Chemistry and Drug Synthesis

SPR SEM 15 Credits

Module leader: Beining Chen
E-mail: b.chen@sheffield.ac.uk

Medicinal Chemistry is a multidisciplinary area of science that has globally revolutionized healthcare, disease outcomes and lifetime expectations over the last century. This module will provide an overview of how medicinal chemistry emerged, how biological mechanisms of disease are identified, and how chemistry is used to target these mechanisms. The course will cover drug profiling including the "rules" used in drug discovery, a survey of drug-target interactions, the development of common anticancer drugs such as cisplatin, and the organic synthesis techniques commonly used to create these compounds. Students will be directed to conduct an independent piece of research on a selected topic in this area.

The module will be delivered via lectures, problem solving workshops and independent study.

The module will be assessed by formal exam and course work.

Advice for module choice: This is a more chemistry oriented module that suits students with a strong chemistry background.

(iii) Research Project (Core) (60 Credits)

CHM61014 Drug Discovery Research Project **credits**

ACAD YR 60

For this module, students complete an extended and independent research project, relevant to the various stages of drug discovery as a member of a team. Research projects may include computer-aided drug design, synthesis of drugs or drug-like compounds, biological assays and drug delivery. They receive specialist training to help them develop the advanced practical skills they need for their project, and have access to state-of-the-art equipment and facilities. They also put their previous research training and transferable skills into practice through literature searches, communicating their work and presenting their findings.

The module will be delivered via laboratory work, research supervision and independent study.

The module will be assessed by Project Performance (assessment of attitude/effort and competence/intellectual contribution, Dissertation (MSc Thesis), Viva Voce exam based on Dissertation.

This is a core and compulsory module that every student will take, except those initially enrolled in a PG Diploma or a PG Certificate scheme.

1.6 Learning and teaching methods

The MSc course contains both taught and supervised modules. Teaching methods are varied from module to module, and primarily include lectures, seminars, small group work, workshops, self-directed learning and research into case studies, practical classes, oral and poster presentations, data handling, dragons' den presentations and individual research project work. Class size also varies depending on the number of students registered on the module and the teaching format.

Normally, we use our structured on-line learning environment, Blackboard, to give you access to schedules, lecture notes, literature references, lecture recordings and other learning resources. We also use Blackboard as the portal for you to submit work for assessments and you receive your marks through the Grade Centre. We provide you with useful feedback on your work, mainly through email or by scheduling an appointment if appropriate. Blackboard will be available to you as soon as you register, and you can access it by logging into 'MUSE' on the University web site and following the link.

Normally, the taught materials will be delivered in allocated lecture theatres. The teaching schedule will be timetabled and you will be able to access your personal timetable via iSheffield. Some modules delivered by other departments (School of Biomedical Science (BMS) and Medical School (MED)) will be 'Block' scheduled, i.e. the lecturers will be delivered in a matter of 3-4 weeks followed by course work and assessment. Other modules will be delivered by directed independent studies supported by workshops and tutorials. Some modules contain laboratory practicals which require students to take health and safety training before going into the laboratory.

PART II Assessment and Regulations

2.1 Assessments

The assessment for this course takes place in a variety of styles and formats depending on the modules that you choose. They are summarised below:

Examinations

Examinations are not normally taken by MSc students, as most taught modules are generally assessed through coursework. The exception to this is CHM488 which has an invigilated online exam in January.

Coursework

Students must complete a number of formative and summative assignments. Formative assignments give feedback to students on their performance but do not count towards final marks (however, it may still be a requirement to complete these). Marks for summative assignments do count towards the final mark for each module. The minimum pass mark is 50%.

Most modules have more than one assessment point, and these may happen at various points throughout the module. Assessments are mapped out to avoid overlapping as far as possible. In some cases, overlapping may be unavoidable. It is very important to keep a good record of upcoming assessments so you are not struggling to meet deadlines. **As extensions will invade the next module's teaching time and so are strongly discouraged unless it is absolutely necessary.** Most of the course work assessments require you to submit your work via the Blackboard Turnitin submission system. system.

2.2 How to Submit Work for Assessment

Preparing and files for electronic submission

Each piece of coursework has a specific deadline for submission, which will be communicated by the Module Leader. Coursework must be submitted by the deadline in electronic form on Blackboard. We do not expect to need hard copies for any assignment but if we do you will be told in advance what to do and where to leave it.

Please ensure that you upload the file type that the module leader requests for electronic submission. You need to be familiar with the Blackboard coursework submission. Most assignments must be submitted as a single electronic file, even if they consist of several independent parts or questions. You should not submit your work in multiple files unless this was specifically required in the assignment instructions. In the rare cases when an assignment requires the submission of several files, instructions for naming individual files with different names will be provided in the assignment instructions.

Each electronic file that you submit must be given a filename that consists of your nine-digit registration number. For example, a student whose registration number is 189208772 will submit an assignment produced in Microsoft Word format under the file name, "189208772.docx". Please do not use any other prefix or suffix as this complicates the handling of files.

Submitting work through Blackboard

We will almost always ask you to submit work through Blackboard. There is more information about [Blackboard and Turnitin available here](#).

Module-specific format requirements

In addition to the general rules described above, each individual module leader may add additional formatting requirements to their assignments. These specific rules may concern for example word or page limits, font size and the use of figures and references in the work.

Penalties for using inappropriate formats

If either the printed or electronic version of an assignment does not follow the formatting and file-naming instructions described in the previous sections, it may be rejected and the student may be asked by email to re-submit an appropriately formatted version before the assignment is sent to the markers. Because the rejection and resubmission will obviously take place after the submission deadline, the work will incur late submission penalties (see following section).

Submitting electronically after the deadline

The submission box on Blackboard closes automatically at the deadline for submission. If you have been granted an extension due to special circumstances, or if you simply miss the deadline, you will no longer be able to submit your work electronically through Blackboard. In this case send your assignment directly to the module leader as an attachment to an email.

Late submissions of assignments due for marking will be accepted for up to five working days after the deadline, but will be penalised as required by [University regulations, as outlined here](#).

2.3 How we Mark your Work

Anonymous Marking

To remove both conscious and unconscious biases, we anonymise work before marking whenever this is possible, as is required by the University. To do this, we need your work to be submitted in a standard format so that we can anonymise it, mark it and then identify you so that you can receive your own mark. In written examinations you will write in standard answer books designed to hide your personal details from the markers. Whenever possible, module leaders will only identify the author of an assessed piece of work after the work has been marked and moderated, or double-marked. We will make an exception for students' work that is clearly not of a standard that could pass, where we might judge that it is in the interest of the student to be helped and advised of the problem as soon as possible, in the hope that the student does not repeat fundamental mistakes in subsequent modules.

When Marking Cannot Reasonably be Anonymous

The assignments that will not be marked anonymously are the Literature Review part of the CHM455 Research, Presentation and Professional Skills, debate or presentations that might be assessed during your pathway modules, multimedia material and some of the courseworks. Here anonymous marking is not reasonably possible, either because you will need to meet your markers face-to-face on at least one previous occasion or because you will be assessed on the basis of your ability to demonstrate presentational skills to your markers, face-to-face or live, online.

Moderation of Marking and Double-Marking

In case of controversy, two members of staff will mark assessed work if this is deemed necessary by the course director. They will produce a single mark and feedback either by agreement (moderated marking) or by marking independently and averaging their marks (double marking). The module leader will then produce the final mark by applying appropriate penalties to any piece of work that was submitted late or produced by unfair means. For more details on penalties, see the sections on late submissions and use of unfair means.

Retakes of Failed Modules

Students failing a module will have the opportunity for a capped reassessment.

The student will attend a tutorial with the module leader. A student who wishes to be reassessed must register with the University for a re-examination and pay a re-examination fee. Please refer to the following webpage for re-examination/re-assessment, www.sheffield.ac.uk/ssid/assessment/resits-reassessment/pg.

The circumstances of the re-examination, such as the assessment format, objectives, starting date and deadline for submission, will be determined by the module leader. **By University regulations, work submitted for a re-examination can only be awarded a maximum mark of 50%**, equivalent to a bare pass, even if its quality exceeds the minimum requirement for a pass. Any student who achieves this 50% pass mark at a re-examination will be awarded the full credits for the re-assessed module; however, a student who obtains a mark lower than 50% at a re-examination will not be allowed any further-re-assessment for the same module.

Please also note that students may be required to remain in attendance after the official end of the course if needed to be re-assessed in order to be re-assessed for failed modules.

2.4 Research project

Choosing your six preferred projects

We will circulate an electronic booklet containing all available research projects and relevant project information enabling you to make informed decisions when choosing your projects in early November. You will be able to read it for topics of interest and see descriptions of selected projects. You will be encouraged to do further research on the projects that you are interested in or contact the corresponding supervisor for a brief discussion before you make final decisions. You will undertake an individual project under a specific theme and work supervised by an academic specialised in project area. These themes include anticancer, antimicrobial and CNS drug discovery as well as enabling drug discovery chemistry.

You will then need to select five projects that you would be prepared to do in order of preference and submit them via a google form.

Do be aware that some projects will be very popular, and each project can only involve one student. The most popular project might be the top choice for ten students, so nine must necessarily be slightly disappointed. We strongly advise students against attempting to 'game' our allocation system as this has often led to consequences that the gamer failed to predict.

How we allocate projects

Projects will be allocated by mid November 2022. We will try to ensure that every student is allocated one of the five projects they selected. In the past, about 40% of students can be given their first choice. Most other students will receive their second or third choice.

Your supervisor(s)

Please be aware that supervisors are all different people at various stages of their careers with different sized groups, different ways of running their laboratories and they may have different attitudes to work and supervision. Some supervisors may be almost constantly available, others will require you to schedule appointments to discuss your project. Your

individual professional interaction with your supervisor is likely to be a factor in how much you enjoy working on your project, if not how much progress you make. These are real-life differences between people that cannot be levelled out and are an inevitable consequence of providing you with so many real projects in real labs. Supervisors will be asked to rate the engagement of the student in their interaction; clearly a student who does not contact a potential supervisor will be judged not to have engaged. We may use this to inform our allocation of projects, but supervisors are not allowed to choose the student who takes their project. Make sure that you will be comfortable with the style of supervision before you select a supervisor's project. Please do not select a project that you do not want to do!

Preparation for the project

Any laboratory-based activity risk mitigation because of the procedures that you undertake must undergo an assessment by your supervisor, to be reduced to a minimum and a risk assessment must be documented. If the project that you choose involves handling human material that is potentially infected with infectious human pathogens, you may then need to be vaccinated against these pathogens in advance, where that is possible. By far the most frequent pathogen of concern, for which prophylaxis is possible, is Hepatitis B Virus (HBV) and we have a system in place for ensuring that students who need to be vaccinated are provided with vaccination at no cost to themselves. See the section below, entitled 'Health and Safety in the Laboratory'.

Before you will be allowed to work on your project, you will need to complete on-line courses on fire safety and introduction to safety. Further details will be sent to you in due course by our Health and Safety Officer.

What your project supervisor will expect from you

Attendance in the laboratory and leave entitlement.

You are expected to be in attendance in your supervisor's laboratory for the equivalent of 5 full days a week for the whole period of the project module except for the 10 days of leave to which you are entitled. You can use this entitlement to go on holidays or for study if you need to be reassessed for other modules during the project period. However, you must inform your supervisor as soon as possible of the dates at which you plan to go on leave and at least 2 weeks in advance, so that they can plan laboratory work around these dates.

Information on absences.

You must inform your supervisor and the Chemistry Office in case of any unplanned absence from the laboratory. Unplanned absences caused by medical circumstances will not be counted from your leave entitlement provided you submit an extenuating circumstances form with appropriate evidence (physician's note) to the Chemistry Office. Special circumstances claims that are not backed by medical evidence will only be granted at the discretion of the module leader, who may consult your laboratory supervisor on this matter.

Contact details.

You should provide your Supervisor with your contact details (email/ phone number) in case of emergencies, and the supervisor should ensure that you have their email address and phone number so that you can contact your Supervisor in case of absence.

Supervisory meetings.

You must meet formally with your Supervisors twice each month and supervisors should fill in the Supervision Record Form. The students should then stick the records into their lab books. If Ethics approval is needed for your project, you must append the ethics letter to your dissertation. Failure to do this may incur penalties when markers are assessing your work and could cause the University to reject the dissertation until the Ethics statement has been added.

Attendance of lab meetings/Chemistry seminars.

Students are required to attend all laboratory meetings and to give progress reports on their projects through lab meeting presentations at least once during the projects.

What you can expect from your project supervisor

Daily supervision.

A named individual must be available every day as your first point of contact. That person will provide guidance on experimental problems, Health and Safety regulation and lab etiquette. This will either be the project supervisor, or any competent member of their group nominated by your supervisor. This can also be the group member of another group if in shared labs. The day-to-day supervisor should be named on the document that describes the project. If you are not sure who is taking this role, you should ask your supervisor.

Formal supervisory meetings.

Your project supervisor should meet with you at least twice each month to discuss progress and problems (see paragraph on supervisory meetings in previous section). The project student should set and record this type of meeting. Many supervisors will meet their students more frequently. We require a report of meetings, twice per month.

Integration into the laboratory.

Your supervisor should provide support in understanding the background and issues relating to the project; involve you in lab meetings and seminars and give you opportunities to present your results and receive constructive comments from the group.

Support in writing the Project dissertation.

Your supervisor should provide you with constructive feedback on drafts of your dissertation. Students can only expect this help if the work is handed to the supervisor at agreed times. Supervisors are expected to provide a schedule, with your agreement, for writing and submitting the draft dissertation (see the following section) and should be available to suggest potential questions that might be presented to you in the event of a viva voce examination.

Health and Safety in the laboratory

Fire and first Aid

You must complete the on-line fire awareness training. When working in the lab, you must also know where the nearest assembly point and fire exits from your workplace are and where the fire extinguishers are located, but don't use them if you have not been trained to do so. **You must be aware of where First Aid boxes are, and who in Chemistry are dedicated First Aiders.**

Working out of hours

Your normal laboratory working hour is between 9 am and 6 pm, Monday to Friday. MSc and MChem students are not permitted to work outside normal hours.

COVID-19 and the lab project

At the time of preparing this booklet we don't expect any restriction to laboratory access. However, if any lockdown or restrictions should occur, Health and Safety regulations designed to contain the transmission of COVID-19 will be in force during your period working in the laboratory. These will include rules on wearing face covering and social distancing in the lab, in offices, in meetings and in social gathering in and around the lab. You must follow these guidelines. The School has the power to exclude anyone who does not comply from School spaces including labs and offices. It is also possible that in an emergency, rules may

change and that it might be necessary to end or suspend laboratory activity. Projects will be designed to be flexible enough to accommodate a shift from active lab work to data analysis, if this should happen.

Good laboratory practice

You must know who is designated to advise on **Health and Safety** in your laboratory. You must ask to be introduced to them and ask about hazards involved in your work unless your supervisor has already dealt with these matters. You must know and adhere to the laboratory rules regarding wearing lab coats, safety gloves and safety goggles. Food and drink must never be consumed or brought into a laboratory. Smoking and applying makeup are also forbidden.

Chemical hazards in the lab

Once you begin your project, you should read and sign the COSHH forms for the experimental procedures being undertaken. You must learn how to dispose safely of the chemicals that you use, training will be provided for this.

Biological safety

You must dispose of biological material (tissue samples, cultures of cells or microorganisms) used in your work according to defined, safe methods. These will be described in copies of COSHH forms or in licences for Genetic Manipulation projects which you must place in your own records.

Your progress in the laboratory

Keeping your laboratory notebook

All your experimental work - even unsuccessful attempts - must be recorded in a laboratory notebook at the time that they are performed. Your lab book will be inspected by your supervisor to extract information. So long as its content is clear, the elegance of the presentation is not an issue; your supervisor will judge it to be more important that the work is being recorded as it is being done. You may refer backwards to previous protocols if you write notes to indicate changes to the previous experimental methods.

The lab book is an important document that allows your supervisor and your tutor to review the progress of your project. It will contain the experimental details from which your dissertation will be written, and which will allow your experiments to be repeated by yourself, your supervisor's group and by other scientists. It will be needed for your work to be written up and published.

Finally, it is a legal document that must be kept according to specific guidelines to protect the University of Sheffield's Intellectual property rights on your results. You must use the lab book provided by the University, which has permanent binding and has numbered pages. Your lab book will remain the property of the University and must be returned to your supervisor at the end of the course. You may copy it with your supervisor's permission, but you do not have the right to publish your results.

The brief guidelines below are taken from "*Keeping a Laboratory Notebook*" published by BTG plc.

- The laboratory notebook must be written in permanent ink.
- The entries must give full details of all laboratory materials and methods, and all computer analyses. They should be sufficiently detailed so that another individual could easily replicate the work.
- Results should refer back to the original entry in the lab book, if other entries have been made in the interim.

- Pictures and computer printouts should be permanently fixed into the book. They should fit onto the page, and the witness should sign across the join. Where additional supporting material cannot be kept in the book, reference to that material should be made, and the material stored in an orderly manner.
- Unused pages/parts of pages should be ruled through. Pages should not be left incomplete.
- Errors should be simply crossed out, corrected and initialled. Never use correction fluid or tear out pages.
- All pages should be signed and dated by the author.
- All pages should ideally be signed and dated by the supervisor.
- In instances where the supervisor feels results may be patentable, a witness should also sign and date the lab book.

Progress and training

Each formal supervision meeting will include an evaluation of the progress of your work in relation to the objectives of the project. Interim evaluation of your professional competence and advice for improvement. You need to discuss any support that you need with your personal tutor.

Timetable for writing the dissertation

The final version of your dissertation must be completed and submitted electronically by the deadline usually around early September. The exact date will be notified to you in due course.

Your supervisor and you should agree on a timetable for production of drafts that would allow the supervisor to provide constructive feedback and to check the final version in the months preceding the deadline.

The timeline should take into account your supervisor's absences (for instance, holidays and travel to conferences). As a rough guide, you should send your supervisor a draft of the 'Materials and Methods' section by the end of July and a draft of the full dissertation by the third week of August. Students who do not submit the draft of the full dissertation by the deadline will not be allowed to continue to work in the labs.

Marking of the project

Your final project marks consist of the following three elements.

Evaluation of progress and performance (20%)

The final assessment of your laboratory competence by your supervisor (but moderated by senior academic staff) will contribute 20% to the final mark for your project module, provided that the laboratory project runs normally, and no lockdown or other restrictions will be in place due to Covid-19.

The project performance assessment will include Attitude/Effort and Competence/Intellectual contribution.

Project presentation (10%)

You will be asked to present your project to an audience and marked by a group of academic markers who have knowledge of your research area. Feedbacks will be provided. This assessment will contribute to 10% towards your final mark.

Project dissertation (50%)

In the MSc in Chemistry and Sustainability, unlike many other MSc courses, your supervisor and members of your supervisor's group will not be markers of your dissertation. The two markers of your dissertation will volunteer to mark the project on the basis of their expertise. They are academically independent of one another and of your supervisor.

Markers arrive at their initial marks without discussion. After marking, if the marks are significantly discrepant, then the markers will be provided with one another's assessments of your work and will be asked to discuss their marks to reach a satisfactory convergence.

In the event of highly discrepant marks, we will introduce an experienced third marker to act as a moderator. Whenever this happens, the final moderated mark will be subject to the approval of the external examiner who will be presented with all the marks and comments.

Viva voce examination (20%)

After you submit your final thesis, a viva voce exam based on your project dissertation will be conducted by two markers who have marked your thesis to assess your understanding of the project, credibility and interpretation of experimental data that you obtained during your project.

2.5 Important dates and timeframes for 2022/23

Please be aware of the following dates which are correct at the time of publication, but may be subject to revision if necessary, during the year.

Friday 27th Sept - Welcome meetings

Monday 7th October - Teaching Starts

October: Research project booklet release

November/December: Research project allocation

Beginning of September - Submit thesis

Mid-September – Research project viva

Other assessment deadlines will be announced in due course by individual module leaders.

PART III Course Rules

3.1 Attendance and Absence

As a full-time student, you are required to attend for the whole period of the course including all lectures, tutorials and examinations that are components of your course. **You are also expected to work full time in your supervisor's laboratory during the periods of the Research Project Modules.**

Please see more guidance about [attendance and attendance monitoring here](#).

If you think you may need to take a leave of absence, [more information is available here](#).

Short term absence, Self-Certification, and Extenuating Circumstances

If you are ill, you **must** inform the Chemistry Office (chemdeptoffice@sheffield.ac.uk) with details, cc your personal tutor and course director, and complete the relevant form.

Short term absences of less than 7 days

Students should self-certify short term absences (less than 7 days total) using the [iSheffield Digital Check-in System](#), logging absences for each lecture, tutorial and workshop missed.

Absences longer than 7 days that do not affect an assessment

If a student is unable to study (e.g. due to illness) for longer than 7 days and this does not affect an assessment or it is unknown whether it will affect an assessment, they should complete a [form to report an absence of longer than 7 days](#). It is expected that students provide evidence, where suitable, to support their absence.

Attendance of all elements of the programme is mandatory. Significant unexplained absence could result in the university and the UKVI being informed of lack of engagement.

Absences affecting an assessment

Please see the [Extenuating Circumstances guidance](#).

If you are unable to attend an examination, you must inform the University Examination Office (Level 6, University House; Tel: 0114 22 21282/21305) and the Chemistry Office without delay

Special arrangements during examinations

If you have any disability or illness which makes it necessary for you to have special arrangements during exams, **you must inform the University Health Service** who will then contact the University Examinations Office to make arrangements.

It is also advisable to discuss such problems with your Course Director as soon as possible in the academic year to ensure the appropriate actions are taken and the necessary help is obtained. All such discussions are treated confidentially.

3.2 Calculators and Dictionaries

To be taken into exams, these must be individually approved by the University prior to the examinations, and must carry a distinctive marker.

[Please see more guidance here](#).

3.3 What should and should not be in an assignment

Citations and references

The standard citation and referencing format used throughout the course will be module specific. Different referencing styles/formats will be explained in the module CHM455 research, presentation and professional skills.

Pictures, diagrams and tables

We encourage you to include useful illustrative figures that help the understanding of your text (photographs, drawings, diagrams, screen captures) or tables in assignments provided that they are your own work. For example, this could be a table that you generated by assembling pieces of information obtained from several published sources or a figure that you compose and draw yourself. Computer screen captures will be accepted as being your own work if they show images produced by software operated by you (for example BLAST, the UCSC Genome Browser, ENSEMBL, Pymol or CellDesigner).

A figure or table that you add should be seriously useful for reference and should not be added for decoration. It is not adequate to include a blurred, illegible image just because a figure is obviously required.

All figures and tables that you include should be accompanied by informative titles and legends (which in the case of computer screen capture should include a reference to the software used and the parameters that you supplied). A figure should be comprehensible in its context without the reader referring to the text and the legend makes this possible.

If the figure or table contains text (for instance, sequence data) then the text must be legible and you must supply the text in a form that can be recovered as text, for analysis, to enable the markers to assess it. Do not convert text to a bit-mapped image by dumping the screen (for instance) into an image format. Figure legends, of course, must also be fully legible.

Figures or tables adapted from an original made by someone else will never have the same value as work done entirely by you, **and will only be accepted when all three of the following conditions are met:**

- You have removed irrelevant details or you have added new elements so that the diagram fits with the message of the text of your own assignment.
- You have rewritten the original legend to match the changes in content and you have paraphrased it to avoid plagiarism and show your own understanding.
- Your legend cites the source(s) of the original and explains briefly how you adapted it, as in for example "Adapted from Fig. 3 of Dempsey et al. (2002) by omitting proteins not involved in the pathway discussed here".

Markers will appreciate a figure or table produced by you if its contents and legend are linked to the main text in a manner that demonstrates that you understand the topic. Please note that simply pasting or re-drawing a figure or table might look attractive but is of no academic value (it does not demonstrate your understanding) and will not contribute to a student's mark. In fact, a reproduced figure without proper explanation in the text could reduce a student's mark because it has taken up space that could have been used to demonstrate understanding of the topic.

Markers will not expect your figures or diagrams to look professionally produced though we will expect your skill to improve during the course.

We suggest you use Microsoft PowerPoint or a similar application to generate diagrams or to add captions to photographs, but even scans of hand-drawn diagrams will be accepted. On the other hand, please do not paste in distorted or low contrast images (grey on grey) taken with your phone camera. If you do not yet have the skills or software to improve contrast

then it would be better if you scanned the images on one of the available online printers/copiers. You will receive training on how to produce your own figures or adapt a published one during the course.

See here for [guidance on Avoiding the Use of Unfair Means in Assessment](#).

Your assessed work is the main way by which you demonstrate that you have acquired and can apply these skills. Using unfair means in the assessment process is dishonest and also means that you cannot demonstrate that you have acquired these essential academic skills and attributes.

3.4 What constitutes unfair means?

The University Guidelines on [Unfair Means can be found here](#).

3.5 How can students avoid the use of unfair means?

To avoid using unfair means, any work submitted must be your own and must be original (that is, is not a double-submission and does not include the work of any other person, unless it is properly acknowledged and referenced. For more [guidance on referencing](#), please see these pages.

The following websites provide additional information on avoiding unfair means:

- The library also has information on [reference management software](#).
- The English Language Teaching Centre (ETLC) operates a [Writing Advisory Service](#) through which all students can make individual appointments to discuss a piece of writing.

All written assignments will be submitted via Turnitin, a software which automatically detects plagiarism.

3.6 Discipline and penalties

Penalties for using unfair means in assessed work.

Where unfair means are found to have been used, the University sanctions penalties ranging from awarding a grade of zero for the assignment through to expulsion from the University. Where concerns are raised about use of unfair means, [please refer to this guidance](#).

Penalties for inappropriate use of figures and tables.

If the module leader identifies a figure, table or legend that has been reproduced without changing its contents (compared to the cited original source) then the module leader may impose a mark penalty of 2% for the entire module and not just an affected component. Penalties in each module will be cumulative. If an assignment contains several copied figures or tables the penalty will be 2% x the number of offending items.

Failure to cite sources.

It is plagiarism to claim authorship of a figure or table, by not citing its source, either when the material is unaltered (straight copying) or even when the table or figure has been altered (see above).

Penalties for late submissions of drafts (literature review, project presentation and dissertation)

Please also note that although the Literature Review drafts are not marked, you will be penalised by a deduction of 10 marks from the final mark if the drafts are submitted after the deadline or if you do not meet your supervisor to get feedback on the draft. In addition, students who submit the draft Literature review 5 days or more after the deadline will not be entitled to receive any feedback on their draft as such late submissions will make it impractical for supervisors to assess their drafts.

3.7 Regulations relating to the publication of research

Students must consult their supervisor before submitting any manuscript for publication or presenting their results to conferences, even if they believe themselves to own the Intellectual Property (IP). Premature publication of data could interfere with supervisor's planned submissions, hinder patent applications or could damage the Supervisor's and the School's reputations.

Irrespective of IP ownership, any submitted manuscript must adhere to the Vancouver Protocol, the internationally recognised standard for determining authorship, and comply with the University of Sheffield policy on authorship of academic publications, available at www.sheffield.ac.uk/rs/services

These requirements imply that the supervisor, as initiator and original designer of the project, must be given the opportunity to contribute to any manuscript arising from the project. It is highly unlikely that you should be the sole author on work produced in your supervisor's laboratory.

By undertaking a research project offered as part of this MSc course, you are agreeing to adhere to this publication policy and to the rules and guidelines mentioned in the previous paragraph. Should these rules be broken, the incident would be investigated as a potential case of misconduct. If you are in any doubt, please speak to your supervisor first, or if you cannot resolve matters in this way, please contact the course Director, Dr. Beining Chen.

PART IV Support

4.1 Key point of contact

Programme Director: Professor Beining Chen, Dainton Building, room C91, e-mail: b.chen@sheffield.ac.uk

Deputy Programme Director: Dr. Barbara Ciani, Dainton Building, room C72, e-mail: b.ciani@sheffield.ac.uk

Director of Postgraduate Taught Courses: Dr. Colin Crook, Dainton Building, room C82, e-mail: c.j.crook@sheffield.ac.uk

Chemistry Office: Dainton Building, room C70, e-mail: chemdeptoffice@sheffield.ac.uk

Senior Tutor: Dr. Ben Partridge, Dainton Building, room C77, b.m.partridge@sheffield.ac.uk

The team in the Chemistry Office can help with general enquiries about timetables, university forms, staff contact details, coursework submissions, exam timetables etc. If they are unable to assist, they will point you in the right direction.

Communication

We will need to contact you throughout the year to inform you of general matters or to discuss specific issues. When you register as a Postgraduate student you will be allocated a university computer account with a fixed memory allocation and an e-mail account that can be accessed remotely. You must check your email account on a daily basis as this is the most used way for us to send out important information to you, but we may reserve to contact you by phone in case of confidential matters, if necessary.

The University is wireless networked so you can use your laptop computer there to check email or for private study. The University and School will ONLY use the university e-mail address to communicate with you. You must check DAILY for important information.

4.2 Academic support - preparing for life after the MSc in Drug Discovery Science

Your electronic transcript

You will receive a digital transcript of your results in early December via our secure online Gradintelligence system. You don't need to take any action in order to receive your transcript. [Find out more here.](#)

You can continue to use Gradintelligence after you graduate to give others (e.g. employers) permission to view your transcript, which provides official evidence of your postgraduate achievements.

Accessing your transcript

If you don't already have a Gradintelligence account set up by us, we'll create one for you. You'll receive a notification email from edocs@sheffield.ac.uk once your document is available.

If this is your first Gradintelligence document, you'll need to activate your account and create a username and password to access your transcript. The email, and on-screen activation instructions, will guide you through this process.

Official paper copies

If you need an official paper copy of your transcript for exceptional circumstances (e.g. regulatory purposes), you can order one from SSiD (www.sheffield.ac.uk/ssid/transcript)

The Careers Service at the University of Sheffield

A range of talks during the autumn semester have been arranged for PGT students in the Medical School, information has been included in your Intro Pack. We encourage you to attend these.

The Careers Service offers extensive guidance, advice and support on any job or career related issue to students of the University. [See their pages here.](#)

301 Student Skills and Development Centre

301 Academic Skills Centre is the University's facility that provides opportunities for students to develop the essential academic and study skills to underpin their learning at University.

[See the 301 pages here.](#)

Requests for Progress Reports and other Administrative Documents

If you need a letter confirming your attendance on the course, statements of your current (preliminary) marks and other course-related administrative documents, please contact The Chemistry Office (chemdeptoffice@sheffield.ac.uk) by email. Please be aware that processing of these requests will take a minimum of two working days. At the end of your course, the University will issue you with the access to your Sheffield Higher Education Achievement Report.

Requests for reference letters

Please be aware that students do not have an automatic right to reference letters, so please obtain a member of staff's permission before including their name as a referee either on your CV or in a job or a PhD application.

Your Academic tutor and your project supervisor should be the first members of staff you consider contacting when seeking references in support of your applications for jobs or other courses. However, students need to be aware that their tutor and project supervisor can decline to write reference letters, particularly during the first semester, when they feel that students have not given them enough information on their career plans and skills.

We strongly advise you to participate in Personal Development Planning (PDP) as the best way of providing your Tutor with the information they will need to provide supportive references. Members of staff will also decline requests to write reference letters when they think that a student is applying for a position for which they are not qualified.

English language support

The University's English Language Teaching Centre (ELTC) offers a range of courses and support services for both UK and international students, including a writing advisory service and English language classes. Facilities at the Centre include computer and listening laboratories as well as audio-visual equipment and resources, all of which are available for individual use. Further information can be found on the ELT website at: <http://www.shef.ac.uk/eltc/>. You should also consult your Personal Tutor if you are having difficulties with language. **Correct use of English in written and oral work is expected and poor performance in these areas will be penalised in the marking.**

4.3 Your Wellbeing

General Administrative Enquiries

If you have administrative questions, the Student Services Information Desk is likely to be able to provide answers. [Please access their pages here.](#)

Socialising and Eating

You are welcome to use the Chemistry social space on G floor.

University Accommodation Contracts: Important Information!

If you are renting University accommodation, you may have signed either a 42-week or a 51-week contract. If you have a 42-week contract, you will need to extend it to 51 weeks before it runs out, to benefit from University accommodation for the entire period of study. This extension is likely to involve moving to different accommodation at the end of the initial 42-week period.

If you already have a 51-week contract, you do not need to extend it but please note that the University may still require you to change accommodation during the summer months to prepare for the new intake of students in September. For information on [University Accommodation](#), please see [here](#).

Registering with the University Health Service

If you are not already registered with a local GP, we recommend you register with the [University Health Service](#) at the earliest convenience. Registration will make it easier for you to see a doctor or nurse and obtain signed evidence if an illness prevents you from studying.

If you need to see a dentist for emergency treatment you can contact the Charles Clifford Dental Hospital on 0114 2717800, ring the emergency number for dental treatment on 111 or locate a dentist near to you on the NHS Choices website www.nhs.uk/Service-Search/Dentist/LocationSearch/3

Please note that charges will probably apply for dental treatment and we recommend that you take out private insurance if you are an overseas student.

Your academic tutor

One of the roles of your personal tutor is to act as the first point of contact should a problem arise. You can contact your tutor to discuss personal issues at any time. Your tutor can help you by providing personal advice or find the appropriate support service offered by the University. If you want to discuss a personal issue with your academic tutor, your tutor will treat the information in complete confidence if you ask them to do so, or you can ask your personal tutor to notify the course administrator and course leader, who will also handle your request in complete confidence.

You are required to have a minimal of **two** one-to-one meetings with your academic tutor each semester to review your progress and discuss any issues that you might have. It is important that you make appropriate arrangements with your tutor and the meetings needs to be recorded via the PAT system.

What can you do if you are concerned about another student?

In case you become worried about the emotional, physical or mental health of another student, you will find advice on what to do at www.sheffield.ac.uk/ssid/worried

We have a lot of experience with helping students deal with problems and we will always treat your concerns in confidence. Helping students often involves directing them to the right professional source of help. Please feel able to contact the Senior Tutor, Dr . Ben Partridge (b.m.partridge@sheffield.ac.uk)

And the Chemistry Office (chemdeptoffice@sheffield.ac.uk).

Student Support Services - Central Welfare and Guidance

The University's Central Welfare and Guidance team offer student support for students in crisis situations. More information can be found on [University Wellbeing pages](#).

'Togetherall'

University of Sheffield students who are going through a tough time can now access free [online support with Togetherall](#).

The Disability and Dyslexia Support Service

If you have a disability, a medical condition or a specific learning difficulty, we seek to ensure that your chances of academic success are not reduced because of it. The DDSS can also advise you in case you are concerned about mental health (such as anxiety or depression). We strongly encourage you to contact the [Disability and Dyslexia Support Service \(DDSS\)](#). DDSS is a confidential and friendly service.

If you are likely to need alternative exam arrangements and do not yet have these in place, DDSS can liaise with the exams team on your behalf. They do need time to organise this and you would normally need to contact the DDSS very early in the course. Please talk to the Chemistry Office (chemdeptoffice@sheffield.ac.uk) if you are not sure about DDSS arrangements.

Belief, No Belief and Religious (BNBR) Life Centre

[The BNBR Life Centre](#) is here for all staff and students. Our chaplains and religious advisers provide a listening ear and pastoral support to all people whatever their identity, religion, belief or no belief. We are available in person, online, and via phone or video calls.

The University of Sheffield Students' Union (SSU)

The Union is run by students for students. Through the Student Advice Centre, the SSU provides free, professional and confidential advice and support on a wide range of welfare and related issues such as money, housing, academic problems, employment, or immigration. More information can be found on their website. The SSU also manages social activities, sports and other leisure pursuits.

Support for International Students

The Sheffield Student Information Desk (SSiD) provides a wealth of online information about Tier 4 visas; please read this information regularly and look out for updates in our Global Campus emails.

The student immigration rules are complex and change frequently. If you have questions about your immigration status, you must seek advice from a qualified and authorised immigration adviser – not from friends or staff in academic departments. The University's immigration advisers are based in the [International Student Support Team](#).

Acknowledgement: this handbook is produced by referencing relevant University guidelines and course handbooks from similar courses such as MSc in Molecular Medicine.