Applied Data Sciences 2
IBMS08015

Zhejiang University – University of Edinburgh Institute

Course Handbook
2023-24

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DISCLAIMER

The contents of this handbook apply to the session year stipulated. The Institute may make changes to the course for future sessions.

Every effort has been made to ensure that the information contained in this document is correct at the time of going to press. However, it will not form part of any contract between the Institute and a student and must be read in conjunction with the Terms and Conditions as set out in the International Campus Detailed Regulations, the ZJE Institute Supplementary Regulations and the ZJE Institute Taught Assessment Regulations.

If you require this document or any of the ZJE online resources mentioned in this document in an alternative format please contact the ZJE Administration Office [zjeteaching@intl.zju.edu.cn]

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1. General Information

1.1 Overview of Course

This course provides an introduction to probability, statistics, and data analysis from a computer programmer's point of view. You will make use of computer simulations to develop an intuitive understanding of statistical concepts, which you will then examine more rigorously. An emphasis is placed on building practical skills in regular computing practicals and formative exercises.

Detailed timetable, including dates, times, room numbers is available on PeopleSoft, teaching staff and learning outcomes for each class will be available on Blackboard Learn.

1.2 Course Learning Outcomes

After taking this course, you will be able to:

- Critically evaluate statistical representations in the scientific literature, as well as popular media
- Describe common methods for statistical inference and hypothesis testing, understand what data sets they can be applied to, and perform and interpret common hypothesis tests
- Understand the components of a dataset, handle and prepare raw data for further analysis, and display and describe datasets in meaningful ways, while considering ethical implications of data gathering, storage, analysis, and presentation
- Understand the probabilistic underpinnings of frequentist and Bayesian statistics
- Name and describe common Machine Learning methods and implement simple machine learning tasks

1.3 Course Handbook

This Course Handbook gives you contact information and contains an outline of the course structure and content, and the summative assessments for Semesters 1 and 2. More details can be found on the Applied Data Sciences 2 Blackboard Learn page. You should read this Course Handbook in conjunction with the Programme Handbook. Copies of both guides are available from the Course Administrator.

1.4 Feedback

Giving, receiving, understanding and acting on feedback is critical in developing your knowledge and skills. The aim of feedback is to give you an indication of how your work compares to the desired standard. Most commonly, this is indicated by a mark, but written or verbal feedback, specific to you as a learner and the specific piece of work, will also be given.

In this course, we aim to make our feedback useful, timely, consistent and concrete – we will describe what you did well and what you need to improve to achieve a better outcome. For each piece of formally assessed work you will receive your mark and feedback within 15 working days of submission.

Certain components of the course (the ICAs, for example) will be followed by very clear instances of academic feedback. But remember that feedback is not limited to this. In ADS2 there will be many types of formal and informal feedback, and feedback can come from your classmates too. An important skill is to recognise *when* you are being given feedback. **Throughout the course, think about and use all the feedback you are given to improve your work!**

1.5 Formative Assessment

In addition to assessments that contribute to your final mark (summative assessments), the course features formative assessment in the form of weekly problem sets. Weekly problem sets ask you to solve problems by using a mixture of computational skills, mathematical skills and critical thinking. Problem sets are designed to take around an hour to solve. We encourage you to work with your peers either when attempting the problem set or afterwards, to discuss it.

Problem sets are not compulsory and do not contribute to your final mark. They are not graded. Instead, we post notes on each problem set at the end of the week. The notes do not contain complete solutions, but offer help and advice on key points of the problem set. You can use them to check your answers and reflect on your learning. The problem sets should help you identify concepts that are difficult to understand, and skills that are difficult to acquire.

In addition, there will be a formative "coding challenge practice" to allow you to prepare for the two open-book coding challenges.

1.6 Student Support

If you encounter any difficulties with, or a have questions about, a specific aspect of the course, in the first instance you should discuss this with the member of staff responsible for delivering that material. You can find their name on the detailed schedule on the ADS2 Blackboard Learn page. The Course Administrator can provide you with their contact details if required.

If you have questions or concerns about the course more generally, or a question about an assessment or feedback you have received, please contact the Course Administrator or the Course Organiser – their contact details are in this Handbook.

You can also talk to your Academic Advisor about any issues you experience. Please see the Programme Handbook for more information on expectations about the Academic Advisor-Advisee relationship.

Further information and sources of support can be found in section 9 of this Handbook.

1.7 Special Circumstances

Special Circumstances are defined as events that are beyond the control of the student and which have the potential to adversely impact on academic performance. The ZJE Special Circumstances Policy provides a mechanism for students to notify the ZJE Institute about any special circumstances affecting their performance during the academic year, for the ZJE Institute to assess the impact of any special circumstances and take action accordingly.

Full information on the ZJE Special Circumstances Policy and procedures can be found in the Programme Handbook.

If you are experiencing any circumstances that are having a negative effect on your work or your engagement with the course, we strongly encourage you to contact your Academic Advisor as soon as possible.

1.8 Teaching and learning approaches in 2023-24

For the first year since 2019, all of your teachers will be on campus, with all classes taking place face-to-face. Teaching materials such as lecture slides and notes for your practical sessions will all still be available online, but there won't be recordings of lectures, so it's especially important that you attend all your classes and take good notes.

The Y2 student hours may still be hosted online when the Edinburgh based course leads are not on campus.

We always want your feedback during the semester on how the teaching approaches work and how we can make them better. You can contact the course organiser, your academic advisor or your student representatives with your feedback at any time. The new student representatives for 2023-24 will be selected early in the semester and you will be informed of who they are after selection has taken place.

2. COURSE COMMUNICATION

2.1 Course Team

Course Organiser

Duncan MacGregor duncan.macgregor@ed.ac.uk

Deputy Course Organiser

Dmytro Shytikov dmytroshytikov@intl.zju.edu.cn

Additional Teaching Staff

Nicola Romano nicola.romano@ed.ac.uk

Gedi Luksys gedi.luksys@ed.ac.uk

Robert Young robert.young@ed.ac.uk

Zhaoyuan Fang zhaoyuanfang@intl.zju.edu.cn

Jingyuan (Simon) Chen jingyuan.21@intl.zju.edu.cn

Roo Cave roo.cave@ed.ac.uk

Further teaching staff to be confirmed

Course Administrators

Yanhui (Cheryl) Chen yanhuichen@intl.zju.edu.cn

Qimei (Beth) Zhu qimeizhu@intl.zju.edu.cn

2.2 Blackboard Learn

The course is supported by Blackboard Learn, a virtual learning environment. Course materials and extra resources are provided there. You will submit some summative assessments via Blackboard Learn. **Please make sure that you regularly check the Blackboard Learn course website.** This is the definitive source of information, course materials and changes to the timetable or assessments. You can access Blackboard Learn here: http://learn.intl.zju.edu.cn/

2.3 Student-Staff Liaison Committee

The academic staff welcome your views on how the course can be improved and, when appropriate, we will act on your suggestions. To ensure that the views of all students are represented, Student Representatives ("Student Reps") will be selected soon after the start of the course. Throughout the course, please raise issues with your Student Reps who will pass these to the Course Organisers.

An online student feedback survey will take place at the end of Semester. You can give your anonymous opinions on the course content, level of difficulty, level of interest, suggestions how to improve the course, and any other comments (positive and negative).

Student Reps and selected academic staff make up the Student-Staff Liaison Committee. This committee will meet formally around the middle of the Semester to discuss the feedback surveys and other issues raised by staff and students. Before this meeting, the student reps will carry out an anonymous feedback survey. This will give you the opportunity to highlight what is working well and what you think needs to be improved. You may also discuss course issues at any time by contacting the Course Organisers or the Course Administrator.

2.4 External Examiner

The External Examiner for this course is Dr David Halliday (The University of York, United Kingdom). You should **not** make direct contact with the External Examiner. Contact the Course Organisers if you have questions on assessments.

3. COURSE STRUCTURE

Teaching sessions are interactive and student-centred wherever possible. These sessions are your opportunity to consolidate and expand your knowledge and understanding of course material, **take advantage of these opportunities!**

This course is integrated. **You are expected to attend every teaching session.** If you are unable to attend, you should email the Course Organiser and Course Administrator giving a reason for your absence.

If you encounter any difficulties with the course, the course staff and your Academic Advisor are here to support you. Please see section 9 for further information on support.

3.1 Timetables

You can find timetable information at PeopleSoft.

Information on tutorial and practical groups will be posted on the course Learn page.

If there are any changes to your timetable (for example, a change of venue) you will be emailed information about the change, and a notice about the change will also be posted on Learn.

3.2 Lectures

Lectures are from 10.00am to 10.50am on Mondays. Copies of the lecture slides will be provided on Blackboard Learn at least 24 hours before the lecture. Instructors who cannot travel to campus because of the COVID-19 pandemic will pre-record their lectures.

Some students find it beneficial to make an audio recording of lectures. If you decide you want to do this you must ask the lecturer's permission before each lecture. There are a number of reasons why a lecturer may not wish to be recorded. For example, they may discuss sensitive ethical issues with students, or they may discuss their own unpublished scientific findings. If you do get permission to record, the recording is for your own personal use. You must not share your recording with anyone. Only lectures can be recorded. Tutorials, practicals, etc. cannot be recorded.

3.3 Practicals

Practicals will take place on Thursdays from 10:00am-11:50 am. These are computer practicals. Please bring a laptop. If you do not have a laptop, or if your laptop is broken, please contact the course organisers immediately, so we can make alternative arrangements. Occasionally, we will use practical sessions for other activities, for instance tutorials. Please check your e-mails and Blackboard Learn for information on timetables and rooms.

Just like a laboratory practical, you need to document your work done in a computer practical. This is not done by using a physical lab book, but by keeping electronic records. You may want to keep those records on your own computer and keep track of changes using git, or you may choose to have a public portfolio on GitHub. It is up to you. In this course, your portfolio is not assessed. However, you may later find it useful (both during the revision stage of this course, and in later years) to go through your code from this course again. Therefore, make sure that your code is well-organised, well-documented and suitably backed up.

3.4 Course Timetable

Semester 1

Week	Week beginning	Theme
1	18.9.2023	Recalling R
2	25.9.2023	Intuition and probability
4	9.10.2023	Sampling and data collection
5	16.10.2023	Sampling distributions and the Central Limit Theorem

6	23.10.2023	Review: Hypothesis testing
7	30.10.2023	Getting and cleaning data
8	6.11.2023	Simulation-based comparison of two means
9	13.11.2023	Visualising and describing data
10	20.11.2023	t-test: Why it works
11	27.11.2023	t-test: Practical applications, variants
12	4.12.2023	Documenting analyses in R markdown
13	11.12.2023	Planning a data analysis pipeline
14	18.12.2023	Code challenge preparation
15	25.12.2023	Power and sample size

Semester 2

Week	**Week beginning**	**Theme**
16 (1)	15.1.2024	Comparing multiple means by simulation
17 (2)	22.1.2024	ANOVA: Theory and application
18 (3)	26.2.2024	Review of Semester 1
19 (4)	4.3.2024	Analysing categorical data
20 (5)	11.3.2024	Correlation and linear regression
21 (6)	18.3.2024	Conditional probabilities
22 (7)	25.3.2024	Bayesian statistics and Bayesian Inference
23 (8)	1.4.2024	Finalising Data Analysis Group Project
24 (9)	8.4.2024	Clustering and Machine Learning
25 (10)	15.4.2024	Neural Networks
26 (11)	22.4.2024	Classification and regression
27 (12)	29.4.2024	TBC dependent on holiday adjustments
28 (13)	6.5.2024	Bootstrapping 1
29 (14)	13.5.2024	Bootstrapping 2
	20.5.2024	Study period

4. TEXTBOOKS

In addition to attending and engaging in teaching sessions, you must read independently. There is no recommended textbooks for the course. Academic staff may highlight additional recommended reading in specific classes.

5. ASSESSMENT AND EXAMINATION INFORMATION

This course is assessed by one in-course assessment (ICA) and two degree examinations.

In order to pass the ADS2 course, you must:

1. Submit **all** assessments

2. obtain an **overall** mark of **at least 60%** in the assessments

5.1 In-Course Assessment

The ICA is a Data analysis group project (30% of your total mark).

Further details are given in Section 6.

5.2 Degree Examinations

There are two degree examinations on this course. They are as follows:

1. Semester 1 open-book timed coding challenge (30% of your total mark).
2. Semester 2 open-book timed coding challenge (40% of your total mark).

Further Details are given in Section 7

5.3 Resit Information: Failure to meet the pass criteria.

If you fail one or more course assessments, you will be allowed to resit the assessments that you have failed. If you pass these, you will pass the course and receive the credits for the course.

For the UoE degree, you have a total of four attempts to pass an assessment. This includes the first attempt that you sit alongside your classmates as part of the course. If you fail this, you will normally be asked to resit the failed assessment during the summer vacation. If you fail the summer resit, you will have two further attempts to pass the failed assessment. If you fail all four attempts, you may not receive credits for the course, and you may not be able to progress to the next year of study in the UoE degree.

For the ZJU degree, you have an unlimited number of attempts to pass an assessment. However, if you fail assessments and do not pass courses, you may not be able to progress to the next year of study in the ZJU degree and all assessments must be passed within 6 years of admission to ZJU. More information is available in Part C of the Programme Handbook (Assessment, Progression and Awards).

Course and assessment marks are discussed and ratified by the Board of Examiners. After the Board of Examiners meeting, you will receive a letter from the Convenor of the Board of Examiners that confirms the results for your courses. Details of any required resits will be included in this letter. If you need to resit any assessments, you should discuss this with your Academic Advisor.

5.4 Common Marking Scheme

Assessments will be graded according to the ZJE Common Marking Scheme. This is given in the Programme Handbook. Detailed written guidance and the marking criteria for each ICA will be posted in advance on Blackboard Learn. For guidance on the marking scheme, see the Programme Handbook.

6. IN-COURSE ASSESSMENT (ICA)

There is one ICA for ADS2. The ICA will be submitted and marked anonymously.

The deadline for ICA submission, and the date you can expect to receive marks and feedback on your submission, is given below and will be posted on Blackboard Learn. All marks released according to this schedule will be provisional and could be subject to change when reviewed and ratified by the Board of Examiners at the end of the academic year.

Information on word limits, referencing, plagiarism and academic misconduct, how to submit your assessments, extensions, and penalties for work submitted late, is also given below.

6.1 Data analysis group project

You will receive a group mark for this assessment that is worth **30%** of your final mark.

- **The deadline for this ICA is at 12:00 noon on Friday, 12 April 2024**
- You will receive your provisional marks and feedback for this ICA on or before Monday, 6 May 2024.
- This ICA will be assessed anonymously by two independent markers and an average mark of their marks used.

You will receive written feedback and a **provisional** mark for your ICA on or before the deadline given above. Your final mark for the course will be made available after the Board of Examiners has ratified all examination and ICA marks. The Board of Examiners meeting takes place soon after the end of Semester 2.

6.2 Submission of ICAs to Blackboard Learn

You will submit your ICA on Blackboard Learn, unless otherwise instructed. Electronic submission gives you greater flexibility on when you submit your work and accurately tracks your submissions.

All ICA submissions must be made according to the following standard procedure:

- All ICAs (where practical) are marked anonymously. Do not include your name anywhere on your submission.
- Since this is group work, **only one member of the group** should submit the ICA. The submission should include the group number.
- Your file title should include your group number and the title of the assessment (e.g.: 9001_Essay). The Course Administrator will send you your group number before the assessment deadline.
- Include your group number and the assessment name on the first page of your assessment document.

Read the assessment guidance carefully for information about file formats and other submission requirements.

You must complete the summative ICA by the deadline given in the course handbook. If you fail to hand in your work by the given deadlines, penalties may be imposed. If you have problems submitting using Blackboard Learn, please contact the Course Administrator as soon as possible. **It is your responsibility to ensure that you have successfully submitted your assessment to Learn before the deadline**. Information on extensions and penalties for late submission can be found below.

6.3 Late Penalties

If ICAs are submitted after the deadline, they will be recorded as late and a penalty will be deducted from the mark unless there has been an approved extension to the deadline (see 6.6 below) or special circumstances apply (see 1.7 above).

The penalty will be a reduction of the mark by 5% of the maximum obtainable mark per calendar day (for example, a mark of 65% on the ZJU marking scale would be reduced to 60% if submission exceeded the deadline by up to 24 hours). The penalty will increase incrementally by 5% of the maximum mark each day for up to seven calendar days (or to the time when feedback is given, if this is sooner), after which a mark of zero will be given. The original unreduced mark will be recorded and the student informed of it. After the Board of Examiners meeting penalties will be applied and the final ratified mark recorded on the student record system.

If you submit an assessment over seven days after the deadline, or after provisional marks and feedback have been returned, the work will be marked but no mark released to the student and no feedback will be given to the student. You must consult with your Academic Advisor in these circumstances on the appropriateness of submitting Special Circumstances documentation. The

Board of Examiners will make a decision on whether to ratify this mark in light of any instruction from the Special Circumstances Committee.

6.4 Extension Requests

If you are unable to submit your ICA by the deadline because of circumstances beyond your control, you can submit a request for an extension of up to three days (including weekends). The request must be made using the ZJE Extension Request Form before the submission deadline. Extension requests must be formally approved in order for an extension to be granted.

If you require an extension of more than three days, you will need to apply through the Special Circumstances Policy and Procedure. Please see section 1.7 above, and the Programme Handbook.

Further information on the process for requesting and approving extensions can be found in the Programme Handbook.

6.5 Using references

In your ICAs your writing will build on the work of other researchers and teachers. You acknowledge this by using references. You must use references to give credit to the original worker when you write about ideas, concepts or data that are not your own. Referencing lets your reader distinguish *your* ideas from *other people's* ideas, and lets your reader follow up on ideas that interest them by directing them to the original author. Failing to use appropriate referencing is a form of plagiarism (see below).

We will use the Harvard system of referencing in this course. See the Programme Handbook for a guide to using this system. A correctly and consistently formatted reference list must appear at the end of any ICA where you have referenced other people's work.

You may wish to use references from non-English language sources. If you do cite references in languages other than English, your markers need to be able to review their content. Therefore, if you reference a non-English language source, a full English translation must be supplied as an appendix to your ICA. This appendix does not count to the page limit.

6.6 Plagiarism and Academic Misconduct

Electronic submission also allows us to automatically check your work for plagiarism. When you submit work electronically to Learn, you will be asked to confirm that you have read and agreed to an 'Own Work Declaration'. Please read this carefully, and make sure that you have met all of the requirements listed on the declaration.

Full information on avoiding plagiarism, and penalties for academic misconduct, can be found in the Programme Handbook.

6.7 Plagiarism and Computer Code

Assignments which require you to write computer code are slightly different to other work with respect to plagiarism. There may be only a finite number of solutions to a given problem. This makes it difficult to use standard approaches to accurately assess whether your work is indeed your own as you may independently produce the same or a very similar answer to a classmate.

Furthermore, it is also often difficult and indeed undesirable, for you to work entirely independently. We encourage you to discuss your work with facilitators and fellow students and you may also wish to refer to the internet. This could include searching for the answer to specific error codes that you receive or for solutions to a specific problem you encounter, e.g. 'how do you calculate the mean of a list of numbers?', 'how do you generate a random number within a specified range?'. It is also acceptable to directly use code snippets from other sources as long as you make it clear in comments alongside the inserted code that you understand what this code is performing.

These strategies are common practice amongst biomedical informaticians who will regularly share code and also access code from sites such as Stack Overflow (https://stackoverflow.com/).

Please ensure you include detailed comments and pseudocode written in your own words which describe what your code is designed to do in all code submissions. It has also been suggested that including original variable names (e.g. 'gene_name' and 'gene_coordinates' rather than 'a1' and 'a2') is good practice to reduce any suggestion of plagiarism. However, simply copying another student's work and changing the variable names would still be considered as plagiarism because the intellectual content would be the same.

It is extremely important that you acknowledge the source of any solutions and/or code that you have made use of. Unfortunately, the standards required for this type of referencing are not as mature or standardised as for written work. At ZJE, we require you to acknowledge these sources whenever you have made use of these within your submitted code as comments or pseudocode. If you have copied code from a website, please include the URL, the date on which you accessed this, and a description in your own words of what this code does.

7. Degree Examinations

The degree examination consists of two open-book timed coding challenge, one at the end of each semester.

7.1 Semester 1 open-book timed coding challenge

You will receive an **individual** mark for this assessment that is worth **30%** of your final mark.

- **This assessment will happen under exam conditions during the semester 1 exam period.**
- This assessment is open-book, which means that you are allowed to bring and consult any notes you may have. However, you will not be allowed to access the internet and you will not be allowed to work with other students. Detailed instructions will be distributed prior to the assessment.
- You will receive your provisional marks and feedback for this degree examination within 15 working days

- This degree examination will be assessed anonymously by one marker and their mark will be moderated by a second instructor.

7.2 Semester 2 open-book timed coding challenge

You will receive an **individual** mark for this assessment that is worth **40%** of your final mark.

- **This assessment will happen under exam conditions during the semester 2 exam period.**
- **This assessment is open-book, which means that you are allowed to bring and consult any notes you may have. However, you will not be allowed to access the internet and you will not be allowed to work with other students. Detailed instructions will be distributed prior to the assessment.**
- You will receive your provisional marks and feedback for this degree examination within 15 working days
- This degree examination will be assessed anonymously by two independent markers and an average mark of their marks used.

7.3 Provisional marks

You will receive a **provisional** mark for each degree examination on or before the deadlines given above. Your final mark for the course will be made available after the Board of Examiners has ratified all examination and ICA marks. The Board of Examiners meeting takes place soon after the end of Semester 2.

7.4 Academic misconduct, plagiarism

The same rules for academic misconduct and plagiarism hold as outlined in section 6.

8. ATTENDANCE

There are numerous benefits of attending classes. For example, in-class activities often enhance your critical thinking skills, and face-to-face discussion with your teacher can help clarify your understanding of difficult concepts. Furthermore, classes have a social aspect – you build relationships with your classmates and your teachers. As such, it is important that you attend all your classes. Attendance will be monitored periodically using TopHat.

Failure to attend classes regularly has serious consequences. Attendance on some courses is checked routinely, on others it is checked periodically. It is your responsibility to register your attendance when necessary. If your attendance is poor, you risk failing the course and failing to complete the programme.

In addition to teaching sessions, you must be available for assessments, examination and meeting Academic Advisors face-to-face or electronically. If you are unable to attend any class or

assessment, you shall ask for leave in advance (you may apply retrospectively for leave in cases of emergency).

9. DIGNITY AND RESPECT

Zhejiang University and the University of Edinburgh have strong and long-standing commitments to equality, diversity and inclusion, and to promoting a positive culture which celebrates difference, challenges prejudice and ensures fairness. ZJE's staff and students are its greatest assets and all members of the ZJE community should expect to be able to excel, and be respected and valued.

Integrity, collegiality and inclusivity are central to our values. In accordance with these values, ZJE is committed to providing an environment in which all members of our community treat each other with dignity and respect, and where bullying, harassment and discrimination are unacceptable. The ZJE Dignity and Respect Policy sets out the expectations placed on all members of ZJE, including students. The policy can be found here: http://zje.intl.zju.edu.cn/en/student-account/institute-regulations

10. FURTHER INFORMATION AND SUPPORT

The following information can be found in the Programme Handbook or on the ZJE Institute or International Campus website, as follows:

Late submission of work	Programme Handbook
Academic appeals	Programme Handbook
Academic Misconduct	Programme Handbook
Plagiarism	Programme Handbook
Special Circumstances	Programme Handbook

Residential College	http://residential.intl.zju.edu.cn/en
Study Support	http://residential.intl.zju.edu.cn/en/content/academic-life
My ZJU	https://www.intl.zju.edu.cn/my-zju/en/user/login?destination=/my-zju/en
Information Technology Services	http://its.intl.zju.edu.cn/en
Library	http://lib.intl.zju.edu.cn/

Sport and exercise	http://coc.intl.zju.edu.cn/en
Health services	http://coc.intl.zju.edu.cn/en

10.1 Opportunities to give feedback on your course

General

The academic staff welcome your views on how the course can be improved and, when appropriate, we will act on your suggestions. To ensure that the views of all students are represented, Student Representatives ("Student Reps") will be selected soon after the start of the course. Throughout the course, please raise issues with your Student Reps who will pass these to the Course Organisers.

An online student feedback survey will take place at the end of Semester. You can give your anonymous opinions on the course content, level of difficulty, level of interest, suggestions how to improve the course, and any other comments (positive and negative).

Student Reps and selected academic staff make up the Student-Staff Liaison Committee. This committee will meet formally around the middle of the Semester to discuss the feedback surveys and other issues raised by staff and students. Before this meeting, the student reps will carry out an anonymous feedback survey. This will give you the opportunity to highlight what is working well and what you think needs to be improved. You may also discuss course issues at any time by contacting the Course Organisers or the Course Administrator.

Course Enhancement Questionnaires

Near to the end of the course you will be invited to complete a formal and detailed online survey. Please take time to complete this survey. It is the most important source of student feedback, and it allows us to improve the experience for students in future years. It also feeds in to the Quality Assurance and Enhancement processes.

https://www.ed.ac.uk/biomedical-sciences/bmto/bmto-undergraduate-students/academic-guidance-and-support/academic-support/feedback