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Introduction

Welcome to the School of Mathematics! In this handbook you will find a large quantity of information that will help you to have a productive and enjoyable time during your research. It is best to read the handbook through and then keep it safe for future reference during your degree. A copy is always available online on the School of Mathematics website for you to refer to.

This book is designed to be read in conjunction with the EPS Graduate Resource book which contains important information about your programme of study (available on line and at your faculty induction in September). Student commencing mid-year should arrange to collect a copy from the Faculty Graduate School. Sackville Street Building, Room C4.

Key Dates for 2011-12

**First Semester:** 19 September 2011 – 16 December 2011

**First Semester Examinations:** 17 January 2012 – 28 January 2012

**Second Semester:** 30 January 2012 – 8 June 2012

**Easter Break** 23 March 2012 - 16 April 2012

**Semester 2 Examinations:** 19 May 2012 – 8 June 2012

**Annual Reports:** Due in month 11 of each year of study. For students starting in September this will be 1 August

Week 6 of Semester 1 is designated as a reading week.

Week 12 of Semester 2 is designated as a revision week, when classes are held as normal but will normally be devoted to revision.
http://www.studentnet.manchester.ac.uk/crucial-guide/academic-life/registration/

- **Academic and Financial Registration**

  Please register for your programme online. You can complete registration from any PC with an internet connection and may carry out registration, including online payment, off campus. You will receive a separate email from the University IT Services with your new system log-in details. A step-by-step guide of how to complete your registration can be found in the Crucial Guide and online at http://www.campus.manchester.ac.uk/ssc/registration/. If you prefer to pay your tuition fees over the telephone, please contact the **Student Services Centre on +44 (0) 161 275 5000**. If you are not able to complete your financial registration online, you will be able to do so in person at the Student Services Centre. For this you will need to take your log-on details, banking details and payment, a sponsorship letter (if applicable) or financial notice from DIUS (EU students only).

- **Important information for students funded through the school only (EPSRC DTA, CASE Awards, School Scholarships)**

  - **Tuition Fees**
    If you were notified of a funding award, the School of Mathematics will be making arrangements to pay your tuition fees. Please contact Anna.Bigland@manchester.ac.uk immediately if you have any problems with your funding from the School.

  - **Maintenance Allowance**
    If you were awarded a stipend to cover the cost of your maintenance, you will be paid at the beginning of each month by direct debit into your personal bank account starting from October. **PLEASE MAKE SURE THAT YOU ENTER YOUR BANK ACCOUNT DETAILS ONTO THE SYSTEM AT THE TIME OF YOUR REGISTRATION**

    If you don’t provide your bank account details on time, your first maintenance payment may be paid by cheque which would be available for collection after you have completed your on-line registration from the Student Services Centre, Burlington Street.

    To register bank details students should access the Student Portal at [www.studentnet.manchester.ac.uk](http://www.studentnet.manchester.ac.uk) and select the following path:

    - My Portal Home
    - My Services
    - Student System (needs to be selected twice)
    - Self Service
    - Campus Finances
    - View Financial Aid

    *Once in View Financial Aid students should see a green button they can click on and enter their bank details. If no green button appears then we already have bank details recorded. In order to amend their bank details, students need to contact the Student Services Centre. Please note that this will not be used to recoup any outstanding debts to the university.*

- **Sponsorships letters**

  You should send a copy of any sponsorship letter to [sponsorletters@manchester.ac.uk](mailto:sponsorletters@manchester.ac.uk) preferably a month in advance of registration.

- **Swipe card**

  You will be required to collect your University swipe card (student card) after completing your online registration. International students (i.e., non-EEA passport holders) will need to have their passport and their UK identity card, if it
has been issued, available for copying when they attend the Student Services Centre to collect their swipe card. International students who do not have these documents with them will not be issued with a swipe card.

- **Tuition Fees**

Information regarding tuition fees is available from the Student Services centre, and also online at http://www.campus.manchester.ac.uk/ssc/tuitionfees/

- **School Registration**

http://www.maths.man.ac.uk/postgraduate/pgstudies/pg-first-registration.html

Your Welcome Pack and a hard copy of your Crucial Guide will be available for you to collect from Monday 19th September at the Postgraduate Office, G.202, Alan Turing Building. Please bring with you one passport-sized photograph of yourself for your personal file. International students should also bring their passport and UK identity card for foreign nationals, if it has been issued.

During your first week or at the Faculty Induction you will need to collect a copy of your Graduate Resource Folder from the **Graduate School** http://www.graduateeducation.eps.manchester.ac.uk/graddev/ in the Faculty of Engineering and Physical Sciences, Research Students will normally be allocated a space in a workroom with a desk and computer within the School of Mathematics for the duration of their programme. Room details will be given to when you come to collect your Welcome Pack. You should also enroll on the Graduate Education 'Introduction to Research' workshop which will take place in early February and is repeated throughout the year. Further details are available from the **Graduate Education** website http://www.graduateeducation.eps.manchester.ac.uk/graddev/devworkshop/rs/intro/

- **Overseas Students**

Students requiring specialist tutorial assistance and welfare arrangements should contact International Advice Team, Student Services Centre, Burlington Street (275 5000).

http://www.manchester.ac.uk/international/supportservices/advice/

For international students, we recommend attendance at the university in-sessional English language support classes. Please see http://www.langcent.manchester.ac.uk/english/academicsupport/ for further information.

Students from outside the UK may wish to take part in the activities of the International Society, including their Welcome Service. See the website at http://www.internationalsociety.org.uk. Other help for overseas students is available from the University's International Advice Team: http://www.studentnet.manchester.ac.uk/crucial-guide/academic-life/immigration/.

- **Students with Additional Support Needs**

The University of Manchester welcomes students with additional support needs arising from a specific learning difficulty, such as dyslexia, an unseen medical condition, a mental health difficulty or a disability or impairment. The University has a central Disability Support Office (DSO) which can offer confidential advice and organise support. In order to access the full support that the University can offer, you should contact the DSO to discuss your support requirements, either by

* http://www.staffnet.manchester.ac.uk/personalsupport/disability/
* email (disability@manchester.ac.uk)
* telephone (0161 275 7512/ 8518)
* or just drop into the DSO office located on the 2nd Floor of University Place, Block 2. (Building 37 on the campus map) where you can speak in confidence to a Disability Adviser about your needs.

If you are a student with support needs and have not yet informed the DSO, then please contact them in the first instance. In addition to this, each Faculty and School has a Disability Coordinator, who liaises with the DSO to organise support in the School. Stephanie Keegan is the disability coordinator for the School of Mathematics.

The DSO can also organise screening tests for students who think that they might have dyslexia.
**Graduate Resource Book**

The Graduate Resource Book has been designed by GraDS as a tool for you to help consider and plan the optimal path to completing your research degree successfully, achieve your personal goals and improve your employability in your chosen career. This will be used in conjunction with the eProg system during your degree – you will use the eProg system to record details of meetings with your supervisor and monitor your progression during your degree. Further information will be available in your Graduate Resource Book.

Every research student in the Faculty of Engineering & Physical Sciences at the University of Manchester is issued with a Graduate Resource Book during the Faculty Induction event in September. If you did not receive a copy of this book, you can download a PDF version or visit the Graduate Education Office, Sackville St Building, room C4 to obtain a hardcopy.

[http://wwwgraduateeducation.manchester.ac.uk/graddev/research/resbook/](http://wwwgraduateeducation.manchester.ac.uk/graddev/research/resbook/)

**Programme Directors**

The relevant programme director has general oversight of the running of research degrees in Mathematics, but the individual who will direct your academic programme of study will be your research supervisor. The programme directors are:

- **Applied Mathematics**: Dr. David Harris  
  ext. 63683 Rm 2.218 david.harris@manchester.ac.uk

- **Mathematical Logic**: Dr. Marcus Tressl  
  ext. 55878 Rm 2.118 marcus.tressl@manchester.ac.uk

- **Numerical Analysis**: Dr. Tony Shardlow  
  ext. 55823 Rm 2.143 tony.shardlow@manchester.ac.uk

- **Pure Mathematics**: Dr. Charles Walkden  
  ext. 55805 Rm 2.241 charles.walkden@manchester.ac.uk

- **Probability**: Dr. John Moriarty  
  ext. 55883Rm 2.242 John.Moriarty@manchester.ac.uk

- **Statistics**: Dr Peter Foster  
  ext. 55915 Rm 2.229 peter.foster@manchester.ac.uk

- **Mathematical Finance**: Prof Goran Peskir  
  ext. 63215 Rm 2.240 goran.peskir@manchester.ac.uk

**PG Office**

The Postgraduate Administrator: Anna Bigland (ext. 50176)
The Postgraduate Programmes Administrator: Joanne Pearson (ext. 55802)
Anna and Joanne will be able to offer support and advice on administrative matters relating to your programme. They are located in the Postgraduate Office, behind reception on the ground floor of the Alan Turing Building.

**The Director of Postgraduate Studies in Mathematics:**

Prof. Ralph Stöhr (ext. 63647)

**The Head of the School of Mathematics:**

Professor Peter Duck (ext. 55831)

**The Associate Dean of Graduate Education in the Faculty of Engineering and Physical Sciences:**

TBC

**Vice-President and Dean of the Faculty of Engineering and Physical Sciences:**

Professor Colin Bailey (ext. 69111)

A list of staff members in the School of Mathematics, with their room numbers, phone numbers and email addresses is given in Appendix 1.
Facilities

- **Mail and Email**

You should collect your mail from room 1.209, 1st Floor, Alan Turing Building. Mail is delivered once a day in the morning, circulars from staff etc. and telephone messages will all be put into the pigeon holes. You are advised to check the pigeon hole corresponding to the first letter of your surname, at least once daily.

In addition you should quickly become familiar with the electronic mail (email) system because all important information is sent in this way, and it will be assumed that you read email sent to your university email address on a regular basis.

You will receive an email from the University IT Services with your University email address and log-in details prior to your registration. In Mathematics you will also have a school UNIX account which you may wish to link to your main university account.

The IT Services Division provides most of the campus IT services for staff and students of the University of Manchester. For information on how to get started, help and support and to download a copy of the 2010-2011 “A Guide to IT Services” booklet please visit their website at: [http://www.itservices.manchester.ac.uk/](http://www.itservices.manchester.ac.uk/)

The School of Mathematics also maintains its own Unix-based network providing access to various specialist mathematical packages. There is an introductory class on this during the first week of Semester 1, and all students are strongly recommended to attend Blackboard: We will make extensive use of eLearning environments. We expect that you are, after induction week, able to use them to access course material and communicate with your colleagues.

- **Library**

- **Library sites**

The library service is provided through a range of different types of library, as well as over the web. The Main Library (covering nearly all subject areas), The Joule Library (engineering and physical sciences) and The Eddie Davies Library (postgraduate studies in business and management) hold the core working collections. They are supported by a number of smaller, specialised libraries across the campus, most of which duplicate material held in the core libraries.

- **John Rylands Library (JRL)**

[http://www.library.manchester.ac.uk/](http://www.library.manchester.ac.uk/)

The ID card with which you are issued when you register also acts as a library card (swipe card) to gain access to the main university library (JRL). A tour of the JRL and its facilities is usually organised in September and if you are a new student it is important that you attend this.

Books from the main library can be borrowed for 4 weeks. There is also a Short Loan section for the most popular books which can be kept for a limited period. Overdue books incur heavy fines and students may not be awarded a degree, diploma or certificate, unless all books borrowed from the university library have been returned and any fines paid.

- **Joule Library**

There are five self-service photocopiers and one microfiche/microfilm reader in the Joule Library, located in a room on the Main Level (E Floor). A Technician is on hand during the day if you have any questions about using the copiers. The Joule Library provides access to 55 networked PCs with CD rewriters and to networked printing facilities.

- **School Library**

The School maintains a small library in the Brian Hartley Room, 1.211. The School Librarian is Dr. Mike Tso (ext. 63219).
• **Photocopying**

Photocopiers are available in the Alan Turing for teaching and research purposes only.

• **Telephone Calls**

Postgraduate student phones in the Alan Turing Building are for internal calls only.

• **Tea and Coffee**

There are vending machines and a snack-bar in the Alan Turing Building on the ground floor. There are tea and coffee facilities on the first floor. Coffee is available in the staff and postgraduate common room on the 1st floor Atrium Bridge from 10.30am.

• **On Completion of Your Programme**

When you leave the School of Mathematics on completion of your programme of study, out of consideration for other students please remove all your property from the building. Any unclaimed property, which is left behind will be assumed to be unneeded and may be disposed of after two weeks. The school has no provision for storage, and your cooperation in maintaining a tidy environment will be much appreciated.
M.Phil. and Ph.D. Programmes in Mathematical Sciences

• **Research Supervisory Team**

All research students admitted to either the M.Phil. or Ph.D. programme will be assigned a research supervisor, co-supervisor (if applicable) and advisor at the start of your programme, and this forms your supervisory team.

Your research supervisor and co-supervisor will normally be full-time members of the academic teaching staff who are currently active in your area of research. You will also be allocated an adviser. Your adviser will be a member of staff (usually from outside your research group) whose role is to assist in monitoring your progress and generally to act as a point of contact for you to discuss academic and pastoral matters. The EPS Graduate School strongly encourages you to establish formal meetings with your adviser and research supervisor present and to keep records in eProg. More details of the role of the supervisory team is available in the Graduate Resource Book.

• **Taught Courses**

From 2011 all Mathematics PhD students are required to take, **and pass** 100 hours of taught course units over the course of your first two years of study. A minimum of 60 hours must be taken in your first year of study. If you commence mid-year you may have to undertake this in your first full semester in order for permission to be granted for you to proceed to year 2.

You can choose to study either MAGIC or MSc (Level 6) course units. You should note that 15cr of MSc programmes equates to 33.33 hours taught hours. Subjects should be chosen to add breadth to your mathematical knowledge, and should therefore not be directly related to your PhD studies. You should discuss your choices with your supervisor.

In addition, you will sometimes find it useful to attend advanced undergraduate lecture courses; you should consult with your research supervisor(s) concerning this.

Undergraduate Course Units
http://www.maths.manchester.ac.uk/undergraduate/ugstudies/units/index.html

Postgraduate Course Units
http://www.maths.manchester.ac.uk/postgraduate/

MAGIC course units
http://www.maths.dept.shef.ac.uk/magic/index.php

You self register for EPS and Magic course units. For UG and PG taught course units, please e-mail the main PG office.

http://www.graduateeducation.eps.manchester.ac.uk/graddev/devworkshop/rs/fulleschedule/

All PhD students MUST attend an introductory course – “Introduction to Research” in the Faculty of EPS. The Faculty runs a successful series of training courses, information is available on eProg.

• **MAGIC**

All research students in Mathematics will be able to take part in the MAGIC (Mathematics Access Grid Instruction and Collaboration) initiative to enhance their doctoral training. This is an EPSRC sponsored project now involving 19 universities throughout the UK and led by the universities of Manchester and Sheffield. It started in October 2007. The aim of the project is to share postgraduate lectures in all areas of mathematics amongst the participating universities and the lectures will be accessible to all via the access grid. You can think of the access grid as a form of advanced interactive video conferencing type of facility enabling students from remote sites to participate in a lecture in a room which has special equipment to enable this type of interaction to be possible. In the longer term it will also be possible to record and review missed lectures.

You will need to meet with your supervisors and discuss with them which courses you should be taking. Ideally such a meeting should take place in registration week.
• MAGIC courses and registration

Details of all MAGIC courses may be found at the MAGIC website http://maths.dept.shef.ac.uk/magic/courses.php. The site contains details of the timetable for MAGIC courses. Courses will normally run for 10 weeks in both semesters. Students will need to register for the courses they wish to take following consultation with their supervisor(s).

To register for a course click on the login item at the MAGIC website. Your login name will normally be set to your email address on the School computer system. At the first login enter the login name and click the password reminder. You will receive an email giving details of your password after which you can login. Once logged in you can register for a course by clicking on the 'Edit my course registration' item. You must register for any courses you attend.

• Attendance Requirements

http://www.campus.manchester.ac.uk/mediabase/policies/workattendancesstudents.pdf

All grant-awarding bodies require that the school confirms periodically that a student's attendance and progress are satisfactory. School also needs to provide a report to UK Border Agency on attendance and progression of students who entered the UK under tier 4 of the points-based system. **We can only do this if your attendance meets the guidelines set out below.**

In general, you are expected to be in attendance outside normal semester time. The school policy is that full time PhD students are entitled to about five weeks’ holiday during the year, including public holidays. **You must** agree acceptable times for holidays with your supervisor and Programme Director.

On taught courses it is expected that all lectures will be attended, although it is realised that there are sometimes unavoidable reasons for absence. **It is your responsibility to make sure that the school is informed immediately in cases of absence (e.g. through illness) and to inform the Postgraduate Office, of any changes in addresses.** All coursework deadlines must be strictly adhered to, except in cases of illness or other reasons agreed with the appropriate member of staff.

To satisfy the attendance requirements you must attend all specified classes and see your supervisor regularly, although these conditions can be varied by agreement between yourself and your supervisor.

Failure to meet these requirements could result in an early warning letter and, ultimately, if attendance does not improve, a letter of refusal, banning you from examinations and hence, effectively, from completing the programme.

Persistent unsatisfactory attendance creates difficulties for all concerned. If this occurs an attempt to resolve the problem will be made in discussions with the Director of Postgraduate Studies and the Programme Director before any formal action will be considered. You are encouraged at all times to make known to your supervisor or the Programme Director any difficulties with the course, or personal problems you may have. Confidentiality will be ensured and you can be sure of a sympathetic response and practical help or advice.

• Plagiarism

The school and the university take plagiarism very seriously and you must ensure that you understand what plagiarism is and that you understand the penalties involved. The university policy on plagiarism is attached as an appendix.

• Coursework submission and Penalties

Coursework associated with taught course units that require hard-copy submission must be submitted to the reception desk in the Alan Turing building. Submission forms are available and you will be given a receipt by the receptionist. For full details of taught course requirements, please see the MSc Handbook.

• Deadlines for coursework and rules for late submission.

The deadline for submission is 4pm on the day the coursework is due.

Normally each piece of coursework that has not been handed in by the deadline has the mark awarded by 20% per working day and deadline extensions are only given on the basis of mitigating circumstances. In the case of the dissertation normally the student will automatically be given a mark of 0 and the late submission will be treated as a resubmission and capped at 50%.
• **Notes on Coursework Deadlines for Part-Time Students**

In relation to coursework deadlines, if you are a part-time student you can negotiate with the programmes director a deadline that is longer than the given date if you know that your work commitments will not allow you to meet the published course deadline. This should be done IN ADVANCE of the deadline.

• **Examinations**

First Semester course units are normally examined in January, while Second Semester course units and full-year course units are normally examined in May/June. Full information about the length of each examination paper, the number of questions on each paper and the number of questions you are expected to answer will be given to you by the lecturers in charge of course units. They will also give you examples of typical examination questions. Examination papers from previous years are available via the School’s website:

[http://www.maths.manchester.ac.uk/postgraduate/pgstudies/](http://www.maths.manchester.ac.uk/postgraduate/pgstudies/)

If you answer more than the number of questions required in the rubric of an examination paper, it is advisable to cross out the questions that you do not want to be marked. Some examiners will mark all the questions you attempt and count the best ones. Others will only mark the number of questions required by the rubric and will ignore later attempts at other questions. The lecturers will tell you in advance which policy they will adopt.

The examination timetables are posted well in advance of the examination periods on the website: [http://www.studentnet.manchester.ac.uk/crucial-guide/academiclife/exams/](http://www.studentnet.manchester.ac.uk/crucial-guide/academiclife/exams/)

You must check the examination timetable in good time. Each student is allocated an individual seat number for each examination and you are required to sit in the seat which has been assigned to you. You can obtain your own individual copy of the timetable from the Student Portal. You can log in to the Student Portal from the website: [http://www.manchester.ac.uk/studentnet](http://www.manchester.ac.uk/studentnet)

**The University does not regard failure to read the timetable correctly as an acceptable reason for absence.**

• **Re-sitting Examinations**

Should you fail a unit and be granted permission to re-sit by the Examination Board, then the re-sit will normally take place at the next opportunity to sit the examination. This may be in the January or June session of the next academic year, however in some circumstances the examination board, at their discretion, may permit some re-sits over the summer.

• **Re-sitting exams abroad**

Re-sit examinations are held in Manchester.

This can mean extra costs for accommodation and travel, and loss of income if students have to curtail vacation employment. Hence international students in particular on occasion ask if they can re-sit examinations abroad. Although such a request appears reasonable, experience shows that arrangements overseas are not sufficiently reliable. Whilst it might be possible to sit the examination in sufficiently secure conditions, problems with invigilation, differences of time zones, safe return of scripts and so on prove very burdensome, and are not sufficiently offset by charging the student a higher fee to cover extra direct costs.

Home students also sometimes ask if they can re-sit examinations away from Manchester, with similar though less severe problems.

Hence the University does not normally allow re-sit examinations to be held away from Manchester.
• Skills Development

A programme of skills training and development is a mandatory component of the PhD degree. PhD students must undertake a skills audit at the beginning of their degree, and annually thereafter throughout their degree to determine their research, transferable and generic skills requirements. The audit will provide the basis for a planned programme of skills training and development. The outcomes of the audit and programme of skills development must be agreed by the student and supervisor. The supervisor will be responsible for ensuring that the student has access to the required skills training and development opportunities.

The full list of training opportunities, including those offered by the Graduate Development Scheme is presented in your Graduate Resource Folder and on the EPS Graduate School’s website at http://www.graduateeducation.eps.manchester.ac.uk/graddev/research/develplan/. You can access them via eProg.

The School has limited fund to support travel to conferences and workshops. For details please visit http://www.maths.manchester.ac.uk/postgraduate/pgstudies/

• Teaching Skills and Demonstrator Training

There may be an opportunity to help demonstrate on undergraduate courses in the School of Mathematics. Information on courses available to demonstrate will be given to you by the Maths PG Office during registration week.

If you undertake demonstrating duties, you are required to attend the Graduate Teaching Assistants/Demonstrators training course. This is a one day course which is organised by the Training Development Unit. This initial course is then followed by a half-day subject-specific training session, provided by the School of Mathematics. Please visit the Graduate School’s website for further information on training course available at http://www.graduateeducation.eps.manchester.ac.uk/graddev/devworkshop/rs/demonstrator/index.html

• Research Seminars

You are expected to attend the seminars in your research area. A list of seminars is published each week and is available on the School website at http://www.mims.manchester.ac.uk/events/. Please be aware that you may not always fully understand all the concepts and theories that are presented, but this should not discourage you from attending as these seminars are an important component in your education.

One of the most valuable aspects of Ph.D. study is that you, although at first dependent on your research supervisor, are gradually learning how to conduct original research and how to make judgements about which lines of inquiry are likely to bear fruit. By the end of the Ph.D. programme you should be well on the way to having acquired the skills necessary to conduct independent research.

• Eprog

eProg is the University wide progression system for postgraduate researchers. eProg provides an online platform for academic staff, administrative staff and you to record and track key progression milestones throughout the your research programme from the point of registration to examination. eProg provides access to compulsory milestones and on-line forms that you will be required to complete throughout your research programme. You will need to be familiar with how to access these and know how to complete or download any on-line forms.

eProg also hosts an extensive skills training catalogue, where you can view and book training activities hosted across the University.

The following stakeholders can view your student record in eProg:

Your Supervisory team
Your School Postgraduate Director
Your School Postgraduate Administrator
The Faculty Graduate Office
• Accessing eProg

You can access eProg through the student portal https://www.portal.manchester.ac.uk or you can login directly at http://www.manchester.ac.uk/eprog. In both cases you will need to use your University central username and password.

• M.Phil. Students

If you were admitted directly onto a 1 year M.Phil. programme, you will need to declare your intention to submit an M.Phil. thesis at the end of your first year. You will be expected to submit your M.Phil. thesis by the end of your registration unless you have received prior approval from the University to register for the submission pending period. If you wish to be considered for transfer to a Ph.D. programme, you will need to submit a First year progress report by the beginning of the 11th month of registration. This report will be assessed by the examining committee. The examining committee will normally comprise the student's supervisor plus at least one other member of academic staff. The Committee will provide a brief written assessment of this report and the student will be examined viva voce on the contents of the report before the end of their 12th month of registration. Your achievements in your first year will have to be well documented because your progression into your second year will be determined by the quality of your research.

• Ph.D. Students

In order to successfully complete a Ph.D. degree, you must acquire a detailed knowledge of some current area of research in mathematics, and must build on that acquired expertise to write a thesis which makes an original contribution to the field. An important part of the training involved in the initial stages of Ph.D. study consists in learning how to search for relevant material in the mathematical literature, and how fruitfully to piece together information from different sources.

A large part of your first year is likely to be spent on assimilating background material for the research topic. Although it is usual initially for you to be given a specific problem to tackle by your research supervisor, the nature of the problem itself will often evolve as the research proceeds, and you will often need to use the expertise of your research supervisor in suggesting possible methods for overcoming particular technical difficulties, or for pursuing a more promising line of development if the difficulties appear intractable.

• PhD Progression: First Year Progress Report and Progression to 2nd Year

In order to progress to the second year of study all milestones on eProg must be complete and up to date. You must also have successfully completed 60 hours of taught units (Level 6, MAGIC or a combination of the two). For the progression report milestone in year 1, students will be required to present a written report at the end of their first year. This report will be due 11 months after the student first registers as a full time student. This report will contain a discussion of the scientific background to the student's project, describe the work carried out during the 1st year and present a plan for the progress of the project during the second and third year.

This report will be assessed by the examining committee. The examining committee will normally comprise the student’s supervisor plus one other member of academic staff. The committee will provide a brief written assessment of this report and the student will be examined viva voce on the contents of the report before the end of their 12th month of registration. The committee’s report will take into account the student’s progress in any taught modules they have attended and indicate whether or not the student should be allowed to progress to the second year. The report will give the evidence to support its recommendation. In the case of concerns about some aspect of the student’s performance, a course of action will be suggested to address these concerns. Exceptionally the committee may require a revised student report be submitted and/or an additional examination by an agreed date. The committee's report will be passed to the Director of Postgraduate Studies and Postgraduate Committee who will act on its recommendations. If a revised student report is required, the supervisor will inform the student in writing of the revisions to be made and set a deadline for the submission of the revised report.

In the event of a recommendation not to allow a student to progress to 2nd year, the examining committee will indicate whether the student should be allowed to submit a revised thesis for the award of an MPhil degree.


School of Mathematics  
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- **PhD Progression: End of 2nd Year Assessment and Progression to 3rd Year**

In order to progress to the second year of study all milestones on eProg must be complete and up to date. You must also have successfully completed the required 100 hours of taught units (Level 6, MAGIC or a combination of the two) since commencing your PhD studies.

At the end of the registration for the 2\textsuperscript{nd} year your supervisor will assess your progress and complete End of the 2\textsuperscript{nd} Year Assessment form. If your progress is judged to be unsatisfactory, the supervisor will produce a short written report outlining the actions to be undertaken to allow the student to submit a PhD thesis. This report will be passed to the Director of Postgraduate Studies and Postgraduate Committee who will act on its recommendations.

- **PhD Progression: End of 3rd Year Assessment and Submission Pending**

PhD students are normally expected to submit their thesis by the end of their period of registration (usually 3, 3.5 or 4 years for full-time students), unless they have received prior approval from the University to register for the submission pending period (not available to students on a 4 year programme). Again compulsory milestones exist on eProg and you must have a complete record in order to progress to year 4 or into writing up.

PhD students may register for the submission pending period at the discretion of the University to allow additional time for preparation of the thesis for up to one year beyond the completion date of the PhD degree. Students are advised to check any conditions imposed by the Faculty on extensions to the degree and on any restrictions applied by funding bodies. A fee will be payable for any such submission pending registration that is granted by the University.

Extensions to the submission pending period may be sought only in **exceptional** circumstances (see grounds for mitigation)

- **Submission of a thesis**

You will have had meetings with your research supervisor and adviser to discuss the progress and contents of your thesis. You need to complete a ‘Notice of Submission Form’ not less than six weeks before submission. This form is downloadable from the School website [http://www.maths.manchester.ac.uk/postgraduate/pgstudies/info/forms-policies-regulations.html](http://www.maths.manchester.ac.uk/postgraduate/pgstudies/info/forms-policies-regulations.html). You will also need to read Regulations for the Presentation of Theses and Dissertations available on the same webpage. Giving notice of submission triggers the appointment of the examiners, who are then expecting the thesis to arrive on time.

If a thesis is not submitted before the end of the PhD programme or submission pending period, you will not be able submit your thesis unless further approval is granted by the University.

If you wish to submit a thesis more than 3 months before the end of your PhD programme (or 6 months if part time) you will require a permission of the supervisor and the University. Students, who are granted permission to submit early, will still be required to pay full fees for the degree period for which they originally registered.

Further information about this is available in your EPS Graduate Resource Folder or from the school PG office.

- **Guidance on presentation of Thesis**

[http://www.campus.manchester.ac.uk/medialibrary/researchoffice/graduateeducation/g-pres-theses-pgr.pdf](http://www.campus.manchester.ac.uk/medialibrary/researchoffice/graduateeducation/g-pres-theses-pgr.pdf)

- **Resubmission Fees**

[http://www.campus.manchester.ac.uk/medialibrary/researchoffice/graduateeducation/p-studentresubfees.pdf](http://www.campus.manchester.ac.uk/medialibrary/researchoffice/graduateeducation/p-studentresubfees.pdf)

- **Late Submission**

Students who are unable to submit by the required deadline date must complete a permission request form for an ‘Extension to Submit Late’ available from the EPS Graduate School’s website at: [http://www.maths.manchester.ac.uk/postgraduate/pgstudies/info/docs/request-latesubmission.pdf](http://www.maths.manchester.ac.uk/postgraduate/pgstudies/info/docs/request-latesubmission.pdf). The Graduate School will notify a student of their decision in writing giving a new submission deadline date. The university reserves the right to refuse theses submitted after the authorised deadline.
• **Grounds for Mitigation**

Grounds for mitigation are *unforeseeable* or *unpreventable* circumstances that could have a *significant adverse effect* on the academic performance of a student. Possible mitigating circumstances include

- significant illness or injury;
- the death or critical illness of a close family member;
- family crises or major financial problems leading to acute stress;
- absence for jury service or maternity, paternity or adoption leave.

Circumstances that will *not* normally be regarded as grounds for mitigation include

- holidays and events that were planned or could reasonably have been expected;
- assessments that are scheduled close together;
- misreading the timetable or misunderstanding the requirements for assessments;
- inadequate planning and time management;
- failure, loss or theft of a computer or printer that prevents submission of work on time: students should back up work regularly and not leave completion so late that they cannot find another computer or printer;
- consequences of paid employment;
- exam stress or panic attacks not diagnosed as illness.

For the avoidance of doubt, pregnancy is not an illness but an altered state of normality, so that unless the woman has an illness she decides how near to the birth she will work. Events may arise during pregnancy that may constitute mitigating circumstances, and these need to be judged on an individual basis. Note that U.K. legislation does not allow a woman to work in the first two weeks following the birth.

Absence from the University during the semester for any period of no more than five working days will not normally be regarded as grounds for mitigation unless the absence occurred for good cause within a two-week period immediately preceding a formal university examination or the deadline for submitting a piece of assessed course work or delivering an assessed presentation.

• **Graduation**

Graduation ceremonies are held twice a year, in July and December. Following submission of your thesis you will receive information concerning the graduation ceremony and you should indicate at this stage, whether you wish to attend the ceremony or graduate in absentia. Once you have received confirmation that you have been awarded the degree, this signals that you are eligible to attend the ceremony to receive your certificate. Further details of the graduation ceremony can be found on the Student Services Centre website: [http://www.campus.manchester.ac.uk/ssc/graduation/](http://www.campus.manchester.ac.uk/ssc/graduation/)
When you register you sign to follow University regulations. These require you to attend all classes organised for you. The only reasons for nonattendance are on health or compassionate grounds. If you miss a class you must let the member of staff who is taking the class know why. In the event of injury or illness likely to lead to your absence for any appreciable time, you must let your Programme Director know at the time. Illness must be confirmed by a medical note from your G.P. or other doctor wherever possible. This is particularly important if you have missed an examination or coursework test or coursework deadline as a result of illness. (Please note that some G.P. practices will only provide medical certificates at a charge.) You must always complete a School of Mathematics Special Circumstances Form and submit it to the Postgraduate Office via the Main Reception in the Alan Turing Building. These Special Circumstances Forms are obtainable from the Main Reception in the Alan Turing Building.

For other problems that cause you to miss classes, examinations or coursework, you must also complete a School of Mathematics Special Circumstances Form. Students may be given permission to submit work late if there are special circumstances but this would need to be authorised in due course by the Mitigating Circumstances Panel. You should apply for an extension before the deadline whenever possible. Applications submitted after the deadline must have a good reason for not being submitted before the deadline. Should you be unable to submit coursework by the deadline as a result of illness or any other acceptable cause, you should see the lecturer concerned and your Programme Director. You should also obtain a doctor's note (whenever possible) and complete a School of Mathematics Special Circumstances Form obtainable from the Main Reception in the Alan Turing Building.

- **Ill Health**

  a. It is a requirement of your registration with the University of Manchester that you register with a local general practitioner. A list of GP practices can be obtained from the Student Health Centre, any University hall of residence or a local Pharmacy. According to guidance issued by the General Medical Council it would not be regarded as good practice for a family member to be the registered GP or to offer treatment except in the case of an emergency.

  b. **You should always consult your GP (or for emergencies the Accident and Emergency Department of a hospital) if your illness is severe, if it persists or if you are in any doubt about your health.** You should also consult your GP if illness keeps you absent from the University for more than 7 days including week-ends. If you do consult a GP and they consider that you are not fit for attendance at the University, then you should obtain a note from the doctor to that effect or ask them to complete Part III of the University form ‘Certification of Student Ill Health’ copies of which are available at local GP surgeries. You should hand this certificate to your programme director, tutor or school office as appropriate at the earliest opportunity.

  c. If your condition is not sufficiently serious to cause you to seek medical help, then the University will not require you to supply a doctor’s medical certificate unless you are absent from the University due to illness for more than 7 days (in which case see b. above). You **must** however contact your school as soon as possible and self-certify your illness (that is complete and sign the “Certification of Student Ill Health” form to state that you have been ill) as soon as you are able to attend your school. You should do this if your illness means you are absent from the University for any period up to 7 days (see d.(i)) or if you are able to attend the University but your illness is affecting your studies (see d. ii and iii).

  d. The following sub-paragraphs explain what you should do if your illness affects your attendance at compulsory classes or if you consider that your performance in your studies/examinations has been impaired.

  (i). **If you are unwell and feel unable to attend the University to take a compulsory class, assessment or examination then you must seek advice by contacting your school immediately, in person, through a friend or family member, by telephone or by email. This is to ensure that you understand the implications of being absent and the consequences for your academic progress, which might be quite serious. You **must do this as soon as possible so that all options can be considered and certainly no later than the day of your compulsory class, assessment or examination.** If you do not do this then you will normally be considered to have been absent from the class without good reason, or to have taken the assessment or examination in which case you will be given a mark of zero. You **must** also complete and hand in a “Certification of Student Ill Health” form on your return.

  (ii). You may be unwell but are able to proceed with an assessment or examination and yet you feel that your performance will have been impaired. **If you wish this to be taken into account as an extenuating circumstance, you must inform your school about this on the day of the assessment or examination and hand in to your school a completed “Certification of Student Ill Health” form. If you leave this until later it will not normally be possible to take your illness into account when assessing your performance.**
(iii). If, as a consequence of your illness, you wish to seek an extension to a deadline for submitting assessed coursework, you must complete a “Certification of Student Ill Health” form and discuss it with the appropriate person in your school. The application for extension must be made BEFORE the deadline and not retrospectively.

(iv). You may be under occasional and ongoing medical attention which affects your studies. If so, you should obtain a letter from your physician which should be given to your school before the end of the January, May/June or August/September examination period, as appropriate, if you wish your condition to be taken into account as an extenuating circumstance.

Notes:

i. Certification of Student Ill Health forms are available in all schools and halls of residence.

ii. Your school will give you guidance on the effect of any absence from your studies or if you consider your illness has affected your studies. If you have repeated episodes of ill health which is affecting your studies, your school may refer you to the Student Health Centre.

iii. If you are found to have been deceitful or dishonest in completing the Certification of Student Ill Health form you could be liable to disciplinary action under the University’s General Regulation XX: Conduct and Discipline of Students.

iv. The use of the “Certification of Student Ill Health” forms by GPs as described above has been agreed by the Manchester Local Medical Committee. A GP may make a charge for completing the form.
Student Representation and Feedback

- **Questionnaires**

The school values feedback from students very highly. Near the end of each semester you will be asked to complete a questionnaire about each course you have taken. You will be asked to evaluate the course content and the standard of teaching. Your feedback will be acted upon. It is important that you complete the questionnaires as they will help the School ensure that the courses are of high quality. You will also receive a questionnaire about the quality of supervision.

- **Committees**

The main forum in the School is the School Board. It meets five times per year. Postgraduate students have elected representatives on the Board.

The **Postgraduate Staff-Student Liaison Committee** is a subcommittee of the Board which has postgraduate representative. Further information is available at https://www.maths.manchester.ac.uk/postgraduate/pgstudies/info/staff-stud-liaison.html

It deals with matters relating to both taught and research graduate students in the School, rectifying where possible any defects in organisation or other arrangements made for students; identifying problems not immediately soluble and passing these, with recommendations for action to the relevant person or committee. Students can raise problems or grievances and ask advice or liaise with staff.

The opinion of postgraduate students is sought on other matters of relevance, such as computing facilities and their use.

- **Advice outside the School (in case of problems)**

In the first instance, you are strongly recommended to take up all academic or personal problems with your Supervisor or Adviser or with your Programme Director for your group or the Director of Postgraduate Studies. You may also seek help outside the school from the following sources:

- **Academic Matters**

Central Academic Advisory Service offers a confidential service of information and consultation for students who wish to discuss any matters that may be affecting their academic progress (ext. 53033)
http://www.campus.manchester.ac.uk/academicadvisoryservice/
Complaints

The University of Manchester recognises that students may have legitimate reasons for complaining about their course, the facilities or services provided, or other students or staff. It is hoped that most complaints can be resolved by a student taking up the matter directly with the staff concerned, or with the Head of School. However, it is recognised that this is not always possible and the University’s Student Complaint Procedure is designed to provide students with a fair procedure for resolving complaints that cannot be dealt with by informal means. Further information about the formal complaints procedure is given in Regulation XVIII, which is downloadable from the website: http://www.studentnet.manchester.ac.uk/crucial-guide/academiclife/formal-procedures/complaints/

Regulation XVIII ‘Student Complaints Procedure’ can be downloaded from: http://documents.manchester.ac.uk/display.aspx?DocID=1893

- Accommodation Problems

You should consult the Accommodation Office, First Floor, University Place, Oxford Road, ext. 52888, http://www.accommodation.manchester.ac.uk/, with any enquiries relating to your student accommodation.

- Grants and Awards Problems

You should consult Postgraduate Office with any queries relating to payment of either tuition fees or maintenance.

- Equal Opportunities, Sexual Harassment

Students having problems in these areas should contact the Student Support and Services, John Owens Building (ext. 52071; http://www.campus.manchester.ac.uk/studentsupportandservices/)
Primary medical care of students is provided by the National Health Service through individual registration of students with a local general practice of their choice.

5. The **Student Counselling Service** provides confidential, individual counselling for all work related difficulties, exam anxiety, stress and other personal problems. The service is located on the Fifth Floor of Crawford House, and can be contacted by dialling **0161 275 2864**. The e-mail address is **counsel.service@manchester.ac.uk**. Further information can be found at the following website:

   [http://www.manchester.ac.uk/counselling](http://www.manchester.ac.uk/counselling)

You should ensure that you are acquainted with the various Safety Regulations and, in particular, the correct procedure in the event of a fire. The School’s Health and Safety Policy is available via the School intranet: [https://www.maths.manchester.ac.uk/intranet/](https://www.maths.manchester.ac.uk/intranet/) You should ensure that you read and understand this document.

The University’s Health and Safety web address is: [http://www.campus.manchester.ac.uk/healthandsafety/index.htm](http://www.campus.manchester.ac.uk/healthandsafety/index.htm)

- **Fire Safety**

  *Fire* is a ubiquitous hazard that affects everybody in the University. In general, the risk of a fire starting in an office environment where there is a no smoking policy is very low. However, everyone should make every effort to prevent it from occurring, for example, by reporting electrical defects, accumulations of combustible materials, or evidence of covert smoking.

The School procedure in the event of a fire or other emergency is that everybody is to leave the building promptly using the stairs and the nearest exit, and assemble at the assembly area, which is next to the University Place. Following an evacuation, do not re-enter the building unless instructed it is safe to do so by Fire Service personnel or university security staff.

The alarm system is tested every Monday afternoon at 13.50. There is no need to evacuate the building on these occasions, although reports of alarms that are too faint, or where the meaning of the alarm is not clear, should be made immediately to the School Safety Adviser (SSA), Mr. Eamon Griffin.

Anybody who has difficulties responding in an emergency evacuation situation should discuss this with the SSA.

- **Fire Information**

If the fire alarm sounds continuously, then the building must be evacuated immediately by the nearest exit. Lifts must **not** be used. The fire alarm system will cause all lifts to travel to the ground floor where the doors will open to allow any occupants to exit. The doors will then close and will remain in that state until overridden by the fire brigade, or until the system is reset.

Pulsed sounders mean there is no need to evacuate, but be prepared to evacuate should the sounders change to continuous. (Pulsed sounders are not a signal to evacuate, but serve as an indication of a fire alarm in the adjacent building.)

Anybody who would have difficulty leaving the building via the staircases during an evacuation should make their way to one of the landing areas in the stairwells, where there are marked refuge areas. An intercom station is located there that communicates with a station situated in the reception area. This will enable the location to be established and assistance provided to exit the building. Please inform the SSA if you may need this type of assistance.

- **Disabled Toilet Alarms**

All alarms are activated by a red pull-cord switch. This sounds a local alarm as well as illuminating a red light outside the cubicle. An alarm will also sound on a control panel in the reception area.

The alarm can be reset locally by pressing the **RESET** button in the cubicle.
• First Aid

If you need to use the First Aid services listed below, please use the nearest one to where you are.

<table>
<thead>
<tr>
<th>Location</th>
<th>Arrangements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxford Road end of campus</td>
<td>From local first aiders (see table below).</td>
</tr>
<tr>
<td>In an emergency and outside working hours</td>
<td>Contact Security (telephone 69966)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>E-mail Address</th>
<th>External Number</th>
<th>Mobile Number</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Aider</td>
<td>Mrs. Francesca Moss</td>
<td><a href="mailto:Francesca.Moss@manchester.ac.uk">Francesca.Moss@manchester.ac.uk</a></td>
<td>0161 275 5899</td>
<td>-</td>
<td>Alan Turing, G.204</td>
</tr>
<tr>
<td>First Aider</td>
<td>Mr. Sebastian Rees</td>
<td><a href="mailto:Sebastian.Rees@manchester.ac.uk">Sebastian.Rees@manchester.ac.uk</a></td>
<td>0161 275 5812</td>
<td>-</td>
<td>Alan Turing, 1.205</td>
</tr>
</tbody>
</table>

First Aid boxes are situated at the Alan Turing Building Attendants’ Lodge.

Additional Occupational Health Services for Staff and Students are located at 182-184 Waterloo Place, near the University Precinct Centre, Telephone 0161 275 2858. (First Aid is not provided here.) http://www.campus.manchester.ac.uk/healthandsafety/studentOH.html#services

If an ambulance is required, it can be summoned by dialling 9 999 from any telephone. Make sure you inform the Building Attendants so that they can direct the medical personnel to the incident.

It should be noted that all university work places are designated as non-smoking and it is illegal to smoke within University buildings and enclosed space.

Any damage to a building or other defects must be reported to the SSA immediately. If the SSA is not available, inform one of the Building Attendants.

Some students have disabilities which would hinder their escape from a building in case of emergency, while others may have hearing difficulties which impair their ability to notice emergency alarms. The School makes prior arrangements for the safety in emergency situations of any of its students with a disability and it is important that students know precisely what they should do, and with whose help in an emergency such as a fire evacuation. Students with disabilities should introduce themselves to the School Disability Coordinator (Stephanie Keegan Room G.204, Alan Turing Building) as soon as possible after arrival, and in any case within the first week, and confirm the arrangements that have been made for their safety.

If you have an accident when you are on University premises then you must inform Mr. Eamon Griffin or the staff in the PG Office (behind reception on the ground floor of the Alan Turing Building).

• Buildings

The buildings are open from 8.30am to 5.30pm weekdays. Graduate students who are working very late or at weekends are advised to notify the Security Office (ext. 52728). The vicinity of the buildings should not be considered completely safe at night, particularly for unaccompanied women.

In accordance with University policy, smoking is prohibited throughout the buildings, within any door entrance or access ramp.

• Useful web addresses

The University Health and Safety Web Site can be found at: http://www.campus.manchester.ac.uk/healthandsafety/
Here you will find useful information about Health and Safety within the University, along with the University's Health and Safety Policy.

Counselling for help and advice on personal matters:
http://www.sos.eps.manchester.ac.uk/support/atoz/counselling.html

Disability Support – Help for disabled students http://www.staffnet.manchester.ac.uk/personalsupport/disability/
Central Services

- **Student Services Centre**

  The Student Services Centre (SSC) is the main point of contact for most of the administrative tasks you need to carry out during your time here as a student, including registration, assessment and payment of tuition fees, issue of swipe cards, examinations information and timetabling, student loan and grant enquiries, financial assistance, issue of official documents (such as academic transcripts, certificates, confirmation of award letters, Council Tax exemption certificates), and enquiries about graduation. The SSC is located on Burlington Street and there is also a Satellite Centre on the ground floor of Staff House on the Sackville Street site. The Student Services Centre is open five days a week from 10 am to 4 pm although the Satellite Centre is only open on Monday to Thursday. The contact details for the Student Services Centre are:

  **Tel:** 0161 275 5000.  
  **E-mail:** ssc@manchester.ac.uk

- **Crucial Guide**

  The **Crucial Guide** contains essential advice, information and guidance for students at the University of Manchester. It covers academic life (including disability support, advice for international students and examination timetables), financial life (including tuition fees, student loans and scholarship information), city life, personal life (including advice on how to manage ill health and cope with personal and academic problems) and university life. The **Crucial Guide Live** can be found at the website:

  [http://www.studentnet.manchester.ac.uk/crucial-guide/](http://www.studentnet.manchester.ac.uk/crucial-guide/)

- **Students’ Union Advice Centre**

  The Students’ Union Advice Centre is similar to a Citizens Advice Bureau, although there is greater emphasis on those problems that particularly affect students. It can offer advice on finance and housing, for example, as well as advice on areas relating to overseas students (such as visa and immigration problems).

  The Students’ Union Advice Centre is located on the first floor of the Steve Biko Building (Students’ Union Building on the Oxford Road site). It is open from 9.30 am to 4:30 pm on Monday to Friday. **Tel:** 0161 275 2947. Further information can be found at the website:

  [http://www.umsu.manchester.ac.uk/advice](http://www.umsu.manchester.ac.uk/advice)

- **Disability Support Office**

  Students wishing to be considered for disability support provision in relation to their studies should contact the University’s Disability Support Office (DSO). The DSO can organise a wide range of individual practical support and can assist you to access external resources like the Disabled Students Allowance. The DSO is situated on the second floor of University Place, Block 2. **Tel:** 0161 275 7512 / 8518. The e-mail address is [dso@manchester.ac.uk](mailto:dso@manchester.ac.uk). Further information can be found at the following website:

  [http://www.studentnet.manchester.ac.uk/crucial-guide/academiclife/support/disability-support/](http://www.studentnet.manchester.ac.uk/crucial-guide/academiclife/support/disability-support/)

- **Student Guidance Service**

  This is a confidential service of information and advice and offers an opportunity for students to discuss any matters that may be affecting academic progress. These might include interruptions, withdrawals or changing degree programme, or a personal matter outside the University that is affecting your academic progress. The Student Guidance Service is situated on the first floor of University Place and the contact details are as follows:

  **Tel:** 0161 275 3033  
  **Website:** [http://www.studentnet.manchester.ac.uk/crucial-guide/sgs/](http://www.studentnet.manchester.ac.uk/crucial-guide/sgs/)  
  **E-mail:** sgs@manchester.ac.uk

- **Accommodation Office**

  The Accommodation Office, located on the first floor of University Place, is responsible for all Halls of Residence and University Leased Houses. It can also offer advice, including legal rights for tenants.
Manchester Student Homes is an Accommodation Bureau. It assists students with private sector accommodation. You can view property details by visiting Manchester Student Homes, which is located in Unit 1-3, Ladybarn House, Moseley Road, Fallowfield, Manchester M14 6ND (Tel: 0161 275 7680).

Alternatively, Manchester Student Homes provides students with a free, online, Virtual Housing Bureau. Comprehensive details of thousands of properties are provided on Manchester Student Homes' website at: http://www.manchesterstudenthomes.com

- **Careers Service**

  The Careers Service is located in Crawford House on Booth Street East (Tel: 0161 275 2828). The Careers Service gives careers guidance and provides details of jobs available for graduates. Comprehensive careers and employer information can be found at the website: http://www.careers.manchester.ac.uk/students

  The Careers Service can also provide advice on finding work experience, as well as details of relevant work experience schemes and sources of vacancies. As well as providing extra funding, work experience will help you develop the personal work-related skills critical to your career success, test your ability and knowledge in a real work setting, demonstrate your skills to potential future employers and add valuable experience to your CV. Further information about work experience can be found at the website: http://www.careers.manchester.ac.uk/students/jobsearch/workexperience/

  Contact details for some other useful student support services are listed below:

- **Childcare**

  There are two nurseries associated with the University. Their contact details are:
  
  Dryden Street Nursery, Chorlton-on-Medlock, Manchester M13 9AU.
  Tel: 0161 272 7121
  E-mail: admin.drydenstreetnursery@btconnect.com
  
  Echoes Nursery, Echo Street (off Granby Row), Manchester M60 1QD.
  Tel: 0161 306 4979
  E-mail: echoes@networknurseries.co.uk

  Further information for student-parents may be found at the website: http://www.studentnet.manchester.ac.uk/crucial-guide/universitylife/student-parents/

- **Mature Students**

  The [Burlington Society](http://www.studentnet.manchester.ac.uk/crucial-guide/universitylife/mutual-support-groups/mature-students/) is the University society for mature and postgraduate students. It is based in the Burlington Rooms, next to the John Rylands University Library.

  The Students’ Union also has a dedicated Mature Students and Postgraduate Students Adviser, whom you can approach about any concerns or issues. Further information for mature students may be found at the website:

  http://www.studentnet.manchester.ac.uk/crucial-guide/universitylife/mutual-support-groups/mature-students/

- **Nightline**

  This is a confidential listening and information service (run by the Students’ Union), offering a point of contact through the night in semester time.

  Tel: 0161 275 2983/4
  (The number is on the back of your library card.)

- **Religious Support**

  Details of services, facilities and all places of worship (Christian and non-Christian) adjacent to the University are available at:

  St. Peter’s Chaplaincy
St. Peter's House
Precinct Centre, Oxford Road.
Tel: 0161 275 2894
E-mail: sph.reception@man.ac.uk
Website: http://www.stpeters.org.uk/

Roman Catholic Chaplaincy
Avila House, 335-339 Oxford Road.
Tel: 0161 273 1456
E-mail: info@rc-chaplaincy-um.org.uk
Website: http://www.rc-chaplaincy-um.org.uk
APPENDIX 1:

Guidance to Students on Plagiarism and other forms of Academic Malpractice.

Regulation XVII ‘Conduct and Discipline of Students’ is downloadable from:
http://www.campus.manchester.ac.uk/medialibrary/tlao/plagiarism-guidance-for-students.pdf

Definition of academic malpractice
Academic malpractice is any activity – intentional or otherwise – that is likely to undermine the integrity essential to scholarship or research. It includes plagiarism, collusion, fabrication or falsification of results, and anything else that could result in unearned or undeserved credit for those committing it. Academic malpractice can result from a deliberate act of cheating or may be committed unintentionally. Whether intended or not, all incidents of academic malpractice will be treated seriously by the University (taken from ‘Academic Malpractice: Guidelines on the Handling of Cases’ produced by the Student Support and Services Office - http://www.campus.manchester.ac.uk/medialibrary/policies/academic-malpractice.pdf)

Introduction

1. As a student you are expected to cooperate in the learning process throughout your programme of study by completing assignments of various kinds that are the product of your own study or research. You must ensure that you are familiar with, and comply with, the University’s regulations and conventions: ignorance of the University regulations and conventions cannot be used as a defence for plagiarism or some other form of academic malpractice

2. This guidance is designed to help you understand what we regard as academic malpractice and hence to help you to avoid committing it. You should read it carefully, because academic malpractice is regarded as a serious offence and students found to have committed it will be penalized. A range of penalties may be applied including the capping of marks, being awarded zero (with or without loss of credits), failing the whole unit, being demoted to a lower class of degree, or being excluded from the programme.

3. In addition to the advice that follows, your School will give you advice on how to avoid academic malpractice in the context of your discipline. It will also design assessments so as to help you avoid the temptation to commit academic malpractice. Finally, you should take note that work you submit may be screened electronically to check against other material on the web and in other submitted work.

Plagiarism

4. Plagiarism is presenting the ideas, work or words of other people without proper, clear and unambiguous acknowledgement. It also includes ‘self plagiarism’ (which occurs where, for example, you submit work that you have presented for assessment on a previous occasion), and the submission of material from ‘essay banks’ (even if the authors of such material appear to be giving you permission to use it in this way). Obviously, the most blatant example of plagiarism would be to copy another student’s work. Hence it is essential to make clear in your assignments the distinction between:

- the ideas and work of other people that you may have quite legitimately exploited and developed, and
- the ideas or material that you have personally contributed.

5. To assist you, here are a few important do’s and don’ts:

• Do get lots of background information on subjects you are writing about to help you form your own view of the subject. The information could be from electronic journals, technical reports, unpublished dissertations, etc. Make a note of the source of every piece of information at the time you record it, even if it is just one sentence.

• Don’t construct a piece of work by cutting and pasting or copying material written by other people, or by you for any other purpose, into something you are submitting as your own work. Sometimes you may need to quote someone else’s exact form of words in order to analyse or criticize them, in which case the quotation must be enclosed in quotation marks to show that it is a direct quote, and it must have the source properly acknowledged at that point. Any omissions from a quotation must be indicated by an ellipsis (…) and any additions for clarity must be enclosed in square brackets, e.g. “[These] results suggest… that the hypothesis is correct.” It may also be appropriate to reproduce a diagram from someone else’s work, but again the source must be explicitly and fully acknowledged there. However, constructing large chunks of documents from a string of quotes, even if they are acknowledged, is another form of plagiarism.
• Do attribute all ideas to their original authors. Written ‘ideas’ are the product that authors produce. You would not appreciate it if other people passed off your ideas as their own, and that is what plagiarism rules are intended to prevent. A good rule of thumb is that each idea or statement that you write should be attributed to a source unless it is your personal idea or it is common knowledge. (If you are unsure if something is common knowledge, ask other students: if they don’t know what you are talking about, then it is not common knowledge!)

6. As you can see, it is most important that you understand what is expected of you when you prepare and produce assignments and that you always observe proper academic conventions for referencing and acknowledgement, whether working by yourself or as part of a team. In practice, there are a number of acceptable styles of referencing depending, for example, on the particular discipline you are studying, so if you are not certain what is appropriate, ask your tutor or the course unit coordinator for advice! This should ensure that you do not lay yourself open to a charge of plagiarism inadvertently, or through ignorance of what is expected. It is also important to remember that you do not absolve yourself from a charge of plagiarism simply by including a reference to a source in a bibliography that you have included with your assignment; you should always be scrupulous about indicating precisely where and to what extent you have made use of such a source.

7. So far, plagiarism has been described as using the words or work of someone else (without proper attribution), but it could also include a close paraphrase of their words, or a minimally adapted version of a computer program, a diagram, a graph, an illustration, etc taken from a variety of sources without proper acknowledgement. These could be lectures, printed material, the Internet or other electronic/AV sources.

8. Remember: no matter what pressure you may be under to complete an assignment, you should never succumb to the temptation to take a ‘short cut’ and use someone else’s material inappropriately. No amount of mitigating circumstances will get you off the hook, and if you persuade other students to let you copy their work, they risk being disciplined as well (see below).

Collusion
9. Collusion is any agreement to hide someone else’s individual input to collaborative work with the intention of securing a mark higher than either you or another student might deserve. Where proved, it will be subject to penalties similar to those for plagiarism. Similarly, it is also collusion to allow someone to copy your work when you know that they intend to submit it as though it were their own and that will lay both you and the other student open to a charge of academic malpractice.

10. On the other hand, collaboration is a perfectly legitimate academic activity in which students are required to work in groups as part of their programme of research or in the preparation of projects and similar assignments. If you are asked to carry out such group work and to collaborate in specified activities, it will always be made clear how your individual input to the joint work is to be assessed and graded. Sometimes, for example, all members of a team may receive the same mark for a joint piece of work, whereas on other occasions team members will receive individual marks that reflect their individual input. If it is not clear on what basis your work is to be assessed, to avoid any risk of unwitting collusion you should always ask for clarification before submitting any assignment.

Fabrication or falsification of results
11. For many students, a major part of their studies involves laboratory or other forms of practical work, and they often find themselves undertaking such activity without close academic supervision. If you are in this situation, you are expected to behave in a responsible manner, as in other aspects of your academic life, and to show proper integrity in the reporting of results or other data. Hence you should ensure that you always document clearly and fully any research programme or survey that you undertake, whether working by yourself or as part of a group. Results or data that you or your group submit must be capable of verification, so that those assessing the work can follow the processes by which you obtained them. Under no circumstances should you seek to present results or data that were not properly obtained and documented as part of your practical learning experience. Otherwise, you lay yourself open to the charge of fabrication or falsification of results.

Finally...

12. If you commit any form of academic malpractice, teaching staff will not be able to assess your individual abilities objectively or accurately. Any short-term gain you might have hoped to achieve will be cancelled out by the loss of proper feedback you might have received, and in the long run such behaviour is likely to damage your overall intellectual development, to say nothing of your self esteem. You are the one who loses.
APPENDIX 2

Staff Contact Details

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<thead>
<tr>
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APPENDIX4

The University of Manchester Ordinances and Regulations

*For all students who registered since January 2005*

Degree of Doctor of Philosophy (PhD)
http://www.campus.manchester.ac.uk/medialibrary/researchoffice/graduateeducation/reg-phd.pdf

Degree of Master of Philosophy (MPhil)
http://www.campus.manchester.ac.uk/medialibrary/researchoffice/graduateeducation/reg-phd.pdf

Master of Science by Research Students
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