

Using the Web

M.Sc. in Mathematical Modelling & Scientific Computing,
Additional Skills

5th November 2021

Course Webpages

Examiners' reports for the course are available from

- ▶ <https://www.maths.ox.ac.uk/members/students/postgraduate-courses/msc-mmsc/internal-examiners-reports>
- ▶ <https://www.maths.ox.ac.uk/members/students/postgraduate-courses/msc-mmsc/external-examiners-reports>
(You will need to log in to the website to access the external examiners' reports.)

Library Information

ORLO is a great resource for finding recommended texts for each course

<https://oxford.rl.talis.com/index.html>

or use the link from each individual course page.

The Mathematical Institute library information page at

<https://www.maths.ox.ac.uk/members/library>

has a link to SOLO (Search Oxford Libraries Online)

<http://solo.bodleian.ox.ac.uk/>

The library services home page is at

<http://www.bodleian.ox.ac.uk/>

and from here the Collections and Resources tab is particularly useful.

Oxford Exam Papers on the Web

Past exam papers are available from the Maths Institute website

<https://www.maths.ox.ac.uk/members/students/postgraduate-courses/msc-mmsc/past-papers>

Some solutions are also available at

<https://www.maths.ox.ac.uk/members/students/postgraduate-courses/msc-mmsc/exam-solutions>

(You will need to log in to the website to access these.)

Oxford Exam Papers on the Web

Undergraduate exam papers are available from the Maths Institute website at

<https://www.maths.ox.ac.uk/members/students/undergraduate-courses/examinations-assessments/past-papers>

(Papers B5a, B5b, B5, B5.1, B5.2, B21a, B21, B6.1, B6.2, C12.1a, C12.1b, C12.1, C6.1 and C6.2 are relevant. Of the older papers b5, b9 and c1–c5 may contain relevant questions.)

Solutions to selected questions can be found at

<https://www.maths.ox.ac.uk/members/students/undergraduate-courses/examinations-assessments/part-b-specimen-solutions>

<https://www.maths.ox.ac.uk/members/students/undergraduate-courses/examinations-assessments/part-c-specimen-solutions>

(You will need to log in to the website to view these solutions.)

Further Study/Jobs

- ▶ <http://www.maths.ox.ac.uk/about-us/vacancies>
- ▶ <http://www.jobs.ac.uk/>
- ▶ <https://www.acad.jobs/Jobs/Mathematics-Statistics>
- ▶ <http://www.findaphd.com/>

Search Engines

- ▶ Try google <http://www.google.co.uk>
Can be used to find people, code, etc.
- ▶ For information about people in academia try google scholar
<http://scholar.google.co.uk>

Finding Papers on the Web

- ▶ Use google to find the author's web page
- ▶ Use MathSciNet <http://www.ams.org/mathscinet>
- ▶ Use the Web of Science <http://wok.mimas.ac.uk>
- ▶ Use the ACM Digital Library <http://dl.acm.org>

- ▶ A good starting point is “The Not so Short Introduction to L^AT_EX 2 ϵ ” found at <https://tobi.oetiker.ch/lshort/lshort.pdf>
- ▶ Lots of information about L^AT_EX including the OCIAM thesis class is available at <http://www.maths.ox.ac.uk/members/it/faqs/latex>
- ▶ More information is at <http://www-h.eng.cam.ac.uk/help/tpl/textprocessing/>
- ▶ For extra packages try searching at <http://ctan.org/pkg>

Matlab

- ▶ Documentation for Matlab is available at <http://www.mathworks.co.uk/help/techdoc/index.html>
- ▶ Information about various Matlab toolboxes is available at <http://www.mathworks.co.uk/products/>
- ▶ A user-contributed code library for Matlab is available at <http://www.mathworks.co.uk/matlabcentral/>
- ▶ The books Numerical Computing with MATLAB and Experiments with MATLAB by Cleve Moler are available from <http://www.mathworks.co.uk/moler/>

Finding software

- ▶ Netlib (collection of mathematical software, papers, and databases):
<http://www.netlib.org>
- ▶ NIST guide to available mathematical software:
<http://gams.nist.gov/>
- ▶ GNU Scientific Library
<http://www.gnu.org/software/gsl/>
- ▶ Numerical software tools and information sources
<http://people.maths.ox.ac.uk/trefethen/tools.html>