

# PhD study in Mathematics at Warwick

<sup>1</sup>Department of Mathematics, Warwick University,  
<http://www.maths.warwick.ac.uk/~masdbl>

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# Research at Warwick

The Mathematics Department has an international reputation, excellent facilities and strength in a broad range of research areas.

- One of the leading Mathematics Departments in the UK for research (*according to the last national Research Assessment Exercise*)
- Many topical research seminars (*stimulating environment*) and the Mathematics Research Centre runs large exciting symposia and meetings in specialized topics e.g.,
  - Complexity (2009-10)*
  - Ergodic Theory and Dynamical Systems (2010-11).*
- Large postgraduate population (*supportive for study, 96 PhD students*).
- More than 60 staff: leading international researchers in many areas (*Good choice of supervisors/choice of good supervisors*)

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# Warwick research interests

*Algebra, Analysis, Geometry,  
Dynamical Systems and Ergodic Theory,  
Number Theory Probability and Stochastic Processes, Topology,  
Applied Dynamical Systems, Fluid Dynamics, Continuum Mechanics,  
Computational Mathematics,  
Mathematical Biology, Partial Differential Equations, ...*

(More detail on Departmental Webpages)



# Being a PhD student at Warwick

A possible route is the following.

Year	What happens
1	High level courses + Dissertation <i>Develop a broad mathematical background, build foundation for research.</i>
2-3	Research leading to a PhD thesis <i>Guided by Supervisor. Attending research seminars, discussing with colleagues</i>
3(-4)	Finish up research, write up thesis

**Aim:** A successful PhD student should be able to do independent original exciting mathematical research (and get a job).

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# Financial aspects

- The Department has the largest DTA (= Grants for UK students) in the country. Each year we can offer 10 grants which:
  - (a) Pay the university fees;
  - (b) Give about 13,000 per annum stipend.
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# If you think you might be interested ....

- Read the Departmental Webpages for “Prospective PhD students”
- Talk to your tutor (or another member of staff, or me, or Ms. Carole Fisher )
- Sign up for the departmental “Postgraduate Open Day” on Wednesday, 18th November.

*(= proof that there is such a thing as a free lunch, see departmental webpages)*