

MSc in Evolutionary and Adaptive Systems

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The Evolutionary and Adaptive Systems (EASy) group at the University of Sussex is probably the largest such multidisciplinary research group in the world, working on a wide range of topics where Computer Science and Complex Systems and AI and Artificial Life swap ideas with Biology. We have over 40 active researchers at doctoral and postdoctoral level, plus a comparable number of Masters students. Our research group has been going some 15 years, the MSc since 1996.

The EASy MSc is a one year, research-oriented, course with 2 terms of coursework followed by a major supervised project in a relevant area. The EASy group is within the new Informatics Department; formerly we were within COGS, which was the School of Cognitive and Computing Sciences. We retain our interdisciplinary links under the new organisation, including many links with biology. If you are interested you can find out about us on <http://www.informatics.susx.ac.uk/easy/index.html>

****Expanded funding**** Due to its success over the last 8 years the UK EPSRC gives substantial financial support for this course. We can award some studentships on a competitive basis to the best UK/EU applicants: UK students tuition or tuition+living expenses, other EU students tuition fees only. Other international applicants, likewise local students not awarded studentships, are welcome on self-funding basis; a part-time option over 2 years is also available. ****Latest****: we have just learnt we have been successful in gaining a substantial new 4.5 year grant to support postgraduate work in this area. ****Also****: new course planned for coming year on 'Dynamics of Development'.

Applications (for October 2005 start) need to provide evidence of sufficient programming experience to start programming for projects within the first term; either Analytic or Maths or Scientific experience/expertise, so as to be able to think analytically in complex areas; and cogent reasons for wanting to do a research-oriented MSc in this area. These applications are also used to decide allocation of studentships.

Faculty currently directly involved in the course include

sci.bio.evolution: MSc in Evolutionary and Adaptive Systems

Dr Inman Harvey – artificial evolution, evolutionary robotics,
artificial life
Prof Phil Husbands – evolutionary computation, GasNets for robotics
Dr Ezequiel Di Paolo – evolving collective behaviour, homeostasis,
autopoiesis
Dr Adrian Thompson – evolvable hardware, evolutionary electronics
Dr David Young – Computer Vision
Dr Emmet Spier – Adaptive Behaviour
Dr Andy Philippides – Modelling of neurotransmitters

Other faculty here at Sussex in associated areas in the School of Life
Sciences include

Prof Tom Collett (Ant and bee navigational behaviour)
Prof Mick O'Shea (Neuroscience)
Dr Joel Peck (Evolutionary Theory)
Dr David Waxman (Evolutionary Theory)

For further information and applications contact

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