

Unique to St Andrews



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St Andrews is one of the UK's leading research institutions and that infuses all of our teaching. This theme highlights modules that stem from our key areas of research. Some suggested module choices:

The modules listed may be subject to change (see Curriculum Development below).

Biology – Molecular Virology: Viruses as a group include many important human and veterinary pathogens such as influenza virus, hepatitis C virus, foot and mouth disease virus as well as emerging viruses like Ebola virus, and remain a continuing threat to human and animal welfare. This module will consist of a mixture of lectures, tutorials and personal-based learning on aspects of RNA virus host interactions. The topics covered will include comparison of the molecular mechanisms employed by enveloped and non-enveloped viruses to enter and exit from cells, discussion of how small RNA viruses maximise their coding capacity, comparison of the replication of positive and negative strand RNA viruses, discussion of how selected viruses reprogram the host cell to ensure their own replication, description of how RNA viruses intercede with innate immune responses, and understanding of how selected viruses interact with their vectors. In addition, discussion of virus-related topics that have made headline news in recent years will be addressed, and an understanding of the more commonly used molecular techniques to study viruses will be expected.

Spanish – Post-1975 Writing in Spain: The aim of the module is the close study of a selection of literary texts (works of prose fiction and poetry, in the main) produced in the post-Franco period. These narratives distance themselves from the realist (and experimental) mode of writing that dominated much of the literature produced between 1939 and the 1970s. Instead, they construct subjective worlds that, nevertheless, tend towards a universality of experience and can be seen as part of a process of the gradual 'normalization', Europeanisation, and universalisation of Spanish cultural creations. The selection is likely to include five works written by authors born after the end of the Civil War, such as: A Bautista, F Benítez Reyes, J Cercas, LA de Cuenca, L García Montero, J Marmas, E Mendoza, A Muñoz Molina, A Orejudo, A Pérez-Reverte, S Puértolas and A Rosetti. In the case of poetry, a relevant anthology including some of these authors will be recommended.

Biology – Foraging in Marine Mammals: This module will provide primarily seminar and practical-based analysis of the life-history requirements of foraging in marine mammals, geographical and physiological constraints on finding food, food and feeding with a focus on types of prey and adaptations by the prey, adaptations for marine mammals feeding in the marine environment, optimal foraging theory, and optimal diving theory. Initial lectures will focus on theoretical issues and description of methods to study foraging. Students will then conduct case-studies of marine-mammal foraging, which will be presented in a seminar format as a group. Some practical work will also be included.

Mathematics & Statistics – Solar Theory: The object of this module is to describe the basic dynamic processes at work in the Sun, a subject which is being enlivened by dramatic new results from space missions.

Modern History – Women and Men in Europe (1500-1800): What were relations between women and men like during the early modern period? This module will assess the impact of major intellectual and social movements – the Renaissance, the Reformation and the Scientific Revolution – on legal, scientific and philosophical ideas about women. It will also examine women's day-to-day experiences, focusing on themes such as marriage and the family, sexuality and the body, work and religion. It will explore notions of masculinity and femininity, considering how these were constructed and how their meanings have changed over time.

For further details, please contact: Exchanges & Study Abroad, University of St Andrews
E: studyabroad@st-andrews.ac.uk **or visit our website:**

www.st-andrews.ac.uk/studyabroad/incomingstudents

Curriculum Development

As a research intensive institution, the University ensures that its teaching references the research interests of its staff, which may change from time to time. As a result, programmes are regularly reviewed with the aim of enhancing students' learning experience. Our approach to course revision is described at: www.st-andrews.ac.uk/media/teaching-and-learning/policies/course-revision-protocol.pdf

For the latest information on modules see: www.st-andrews.ac.uk/coursecatalogue/ug

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