Oxford Prospects and Global Development Institute

Oxford Prospects Programmes

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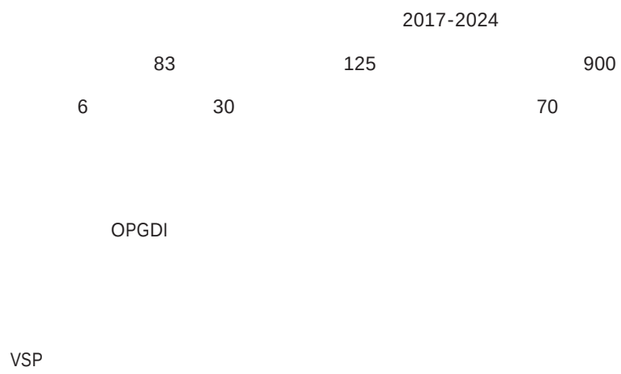
Programme Introduction



Basic Information

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Programme Certi fcate Transcript Report G

Programme Structure

1.
跨学科学术课程
Academic Lectures

2.
学术实践工作坊
Academic Workshops

3.
行业特邀嘉宾讲座
Guest Lecture

4.
英国企业参访
Enterprise Visit

5.
英伦文化体验
Cultural Experience

6.
英式社交拓展
Social Activities

01 : Academic Lectures

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The British Academy

The Academy of Medical Sciences

Royal Academy of Engineering

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Past Lead Professors

Module

Student Testimonials

“ 想象着先贤们也曾在这个房间居住，无比感动，更无比敬畏 ”

“ 抵达牛津的瞬间，就被这座小城古朴厚重的历史底蕴所吸引 ”

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“ 英国古典和现代文化冲撞而产生的奇妙化学反应，让我深深留恋 ”

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“ 原来做学术是如此纯粹，如此快乐的事情 ”

--

“ 来自不同学校的同学们相互合作，思想碰撞 ”

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“ 课程所强调的学科交融理念给我带来了莫大启发 ”

Christ Church *Blackwell* *Ashmolean*

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“ 没想到以往在电影、电视剧中才能看到的场景，如今我却有机会置身其中 ”

High Table

'Work Hard Play Harder'

--

“ 牛津之行让我更加独立、眼界更加开阔，我再一次成长了 ”

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Proposed Topics

- Modern British Politics and Government
- Europe's Decade of Crises
- Re-engineering Social Security for the New Economy
- The Social Consequences of Unemployment
- Global Geopolitics
- Precedent in Legal Reasoning
- Human Right to Health
- Moral Philosophy, and Practical Ethics
- Words are Weapons: Lecture on Language in Politics
- British Constitutional Law
- Decline in Media Trust
- Philosophy of Leadership

This course is for students of:

Social Sciences and, in particular, fields related to: Politics and Administration, International Relations, Philosophy, Sociology, Economics and Trade, Law, Journalism, etc.

Syllabus
Module PPEL

Politics-Economics-Philosophy-Law

Module Description

Do we all have the right to health? How much power does the Queen have? What characteristics should a leader in times of crisis have?

During this programme, students will appreciate our strong focus on philosophy, politics and international economics enriched by some insight into legal systems.

Examining the implications of decision-making, the consequences of competitive market economy and changes in social order, students will have the opportunity to explore a wide range of interdependent topics that shape the contemporary world.

Learning from and engaging with leading Oxford academics, this course will equip students with theoretical and methodological tools and expertise to engage systematically with political and economic questions in a broader international context.

Learning Outcomes:

- Understand the intricacies of UK and global politics for international relations, employment, poverty and inequality.
- Gain insight into the philosophy of leadership and how it relates to practical ethics.
- Have an understanding of international economy in the perspective of employment and social development.
- Be introduced to different types of research in social sciences and comprehend how international organisations shape our reality.
- Comprehend the link between theory and practice in legal systems and global geopolitics.

Proposed List of Lecturers (Partial)

Prof. Sir Richard Sorabji

Fellow of British Academy, Fellow of the American Academy of Arts and Sciences, Commander of the British Empire. He has published 15 books, edited or co-edited 11 and provided two book-length series of interviews. Prof. Sorabji's writing on Philosophy and its History covers three main areas: the physics of the universe, the mind and social and ethical problems.

Prof. Duncan Gallie

Fellow of British Academy, Commander of the British Empire, Fellow of Nuffield College, Professor of Sociology in the University of Oxford. He has advised the French government as a member of an expert group on psychosocial risks at work. He served as Vice-President Social Sciences and then as Foreign Secretary and Vice President of the British Academy .

Prof. Paul Craig

Emeritus Professor of English Law, Fellow of the British Academy. He was appointed an honorary Queen's Counsel. Professor Craig does most of his teaching and research in Constitutional and Administrative Law, and European Community Law and is currently engaged in a project which brings all of these subjects together.

Prof. Avner Offer

Fellow of the British Academy, Emeritus Fellow of All Souls College. He has published on international political economy, law, the First World War, and land tenure. Professor Avner studies the origins, attributes, and drivers of market liberalism, its successes, failures, and prospects. Currently he is studying the transition from Social Democracy to Market Liberalism.

Prof. David Rueda

Professor of Comparative Politics at Nuffield College. Received numerous research awards, including a British Academy Research Development Award (2008-2010). Author of Social Democracy Inside Out (Oxford University Press, 2007) and Who Wants What? Redistribution Preferences in Comparative Perspective (Cambridge University Press, 2019).

Prof. Jonathan Wolff

Blavatnik Chair in Public Policy and Governing Body Fellow at Wolfson College. Formerly Professor of Philosophy and Dean of Arts and Humanities at UCL. He has been an external member of the Board of Science of the British Medical Association. His recent work has largely concerned equality, disadvantage, social justice and poverty.

Prof. Micheal Freeden

Emeritus Professor of Politics. Sir Isaiah Berlin Prize for Lifetime Contribution to Political Studies by the UK Political Studies Association. Fellow of the Academy of Social Sciences. His main interest is in the study of actual political thinking at various levels of articulation.

Syllabus

Module LLD

Literature, Language, Digital Culture and Communication

Module Description

Ever wondered what happens behind the scenes of the most successful British show worldwide of all time - Downton Abbey? Could reading classics be a way of understanding and clarifying our own thinking? Is digital culture changing and shaping our perception?

When we read, we are making sense not just of the words on the page but of the ideas being communicated to us. In this forward-thinking course, students are going to focus on the underlying messages of various media of communication across cultures and will look at femininity and the representation of women, in particular.

From Shakespearean tragedies and Jane Austen's novels analysed and critically examined from academic as well as performing arts angles, through film experts to digital media and society, students will have the opportunity to engage with the latest research in literature, language and intercultural communication.

Learning Outcomes:

- Understand the different approach to literary analysis in the West.
- Have experience in critical analysis of literary texts and visual arts using different theoretical approaches.
- Look in detail at canonical texts by Shakespeare and Jane Austen in their original context.
- Gain insight into cultural appropriation and representations of China in English literature.
- Become familiar with the major trends in digital cultures, modern scholarship and interdisciplinary studies
- Become acquainted with and aware of varying aspects of intercultural communication and try creative writing first-hand.

Proposed Topics

- Representations of China in Eighteenth-Century English Literature
- Intricate Workings behind the Scenes of Downton Abbey
- Feminist History and the History of the Body
- Self-presentation in the Digital Age: Collapsed contexts, fragmented identities, and risks of the lowest common denominator
- Languages, Dialects and Varieties
- An Introduction to World and Postcolonial Literatures
- Film and Gender
- The Language of 'Romeo and Juliet'
- Language and the Practice of Persuasion
- Creative Writing
- Jane Austen, Pride and Prejudice, and the Courtship Novel
- Languages Don't Change, People Change Languages

This course is for students of:

English Language and Literature, Foreign Languages, Linguistics, Journalism, Translation, Chinese Language and Literature, Sociology, Anthropology, History, Drama, Film and Television, Media Studies, Arts, Cross-cultural Communication, Library Studies, Humanities and Education, etc.

Proposed List of Lecturers (Partial)

Prof. Ros Ballaster

Professor of 18th Century Studies and Lecturer in the Faculty of English and Tutorial Fellow at Mans f eld College. Professor Ballaster was a Visiting Fellow to the Department of English and American Literature at Harvard University. Her main research areas encompass seventeenth-and eighteenth-century culture; oriental fiction; ideas of cognition and character in literary and theatrical representation.

Prof. Katherine Paugh

Fellow and Tutor at Corpus Christi College, Associate Professor of Atlantic World Women's History at the Department of History, University of Oxford. Her work as an historian has focused primarily on understanding how the political and economic imperatives of empire have shaped cultural visions of race, class, gender, and the body during the seventeenth through nineteenth centuries.

Ms Liz Trubridge

Film director and television producer mostly known for her role as Executive Producer of Downton Abbey. She has won many awards for her work, including a Primetime Emmy, a BAFTA and a Golden Globe. Downton Abbey aired on UK television between 2010 and the end of 2016. It is the most successful British show worldwide of all time and has won many awards around the world.

Prof. Lynda Mugglestone

Professor of the History of English, Tutorial Fellow at Pembroke College, Lecturer in English Language at Trinity College, University of Oxford, Governor of Samuel Johnson's House museum in London. Her current research, for which she was awarded a Leverhulme Research Fellowship explores linguistic evolution during war-time.

Dr Clare Morgan

Director, Master of Studies in Creative Writing, Department for Continuing Education, Fellow of Kellogg College, the Chair of the Literature Bursaries Panel for the Arts Council of Wales. Dr Morgan is a novelist and short story writer, whose interdisciplinary research interests currently focus on creative writing, and on the relation between literature and business.

Dr James Painter

Director of Journalism Programme at Reuters Institute for the Study of Journalism. He has carried out several consultancies for the IPCC, IPBES, Oxfam, UNDP, Conservation International and other organisations. James joined the BBC World Service in 1992, and worked as head of the Spanish American Service, head of the BBC Miami o f ce, and Executive Editor Americas.

Dr Peak Krafft

Senior Research Fellow at the OII in the University of Oxford's Social Science Division. Dr. Krafft's research, teaching, and organizing aim to bridge computing, the social sciences, and public interest sector work towards the goals of social responsibility and social justice. Dr. Krafft's research interests include Sociotechnical systems, digital institutions, online laboratory experiments, sociotechnical systems, etc.

Proposed Topics

- The British Economy - Yesterday, Today, Tomorrow
- Business in Post-Covid World
- Applications of Game Theory to Real World
- Investment Banking
- Financial Crisis: Causes and Policy Issues
- Corporate Finance
- Strategic Foresight
- Sustainable Accounting
- Workplace Psychology and Leadership
- Digital Finances and FinTech

This course is for students of:

Business, Economy, Finance, Accounting, Business and Public Administration, International Trade, Management, Marketing, other related fields and for students with strong interest in business matters.

Syllabus

Module BFM

Business, Finance and Management

Module Description

Have you ever wondered how financial systems work or how much a company is worth? Are interactions more important than processes? Can we live without money?

This module is for students interested in understanding the impact of business on our globalised world, curious about financial processes, sustainable accounting, and digital transformation. This course will give you a deeper insight into workplace psychology and developing leadership skills. Led by distinguished professors, students will gain a deeper insight into quantitative economics, investment banking, game theory, innovation, labour markets, political economy of international business and the challenges posed by multi-level systems. The interdisciplinary approach of the course will stimulate students to critically reflect on the surrounding world, market mechanisms, policy options, innovation as well as global leadership and entrepreneurship in the 21st century.

Learning Outcomes:

- Improve understanding of macroeconomic process.
- Become aware of design thinking steps.
- Be able to identify latest fintech tools.
- Gain insight into foundations of financial stability policies.
- Master the most common game theory strategies.
- Be able to discuss the complexities of executive compensation.

Proposed List of Lecturers (Partial)

Prof. Duncan Gallie

Fellow of British Academy, Commander of the British Empire, Fellow of Nu f eld College, Professor of Sociology in the University of Oxford. He has advised the French government as a member of an expert group on psychosocial risks at work. He served as Vice-President Social Sciences and then as Foreign Secretary and Vice President of the British Academy .

Prof. Avner Offer

Fellow of the British Academy, Emeritus Fellow of All Souls College. He has published on international political economy, law, the First World War, and land tenure. Professor Avner studies the origins, attributes, and drivers of market liberalism, its successes, failures, and prospects. Currently he is studying the transition from Social Democracy to Market Liberalism.

Prof. Nir Vulkan

Fellow of Worcester College, Director of the Oxford Programmes on Fintech; Blockchain Strategy; and Algorithmic Trading, Chair of the Committee set up to advise the European Commission on AI in Banking and Finance. Professor Vulkan is a leading authority on e-commerce and market design, and on applied research and teaching on hedge funds.

Prof. Petr Sedlacek

Professor and Tutor in Economics at Christ Church College, and a Research Fellow at the Centre for Economic Policy Research. Professor Sedlacek is also Principal Investigator for the Entrepreneurs, Firms and the Macroeconomy research project, for which he has been awarded a Starting Grant of the European Research Council.

Prof. Richard Barker

Professor of Accounting at the Saïd Business School. He has education from both the University of Oxford and University of Cambridge, and he quali f ed as a chartered management accountant while working for AstraZeneca. He is the academic member of the Corporate Reporting Council, which sets UK accounting standards.

Alan Giles OBE

Associate Fellow at the Saïd Business School, University of Oxford, Chairman of the Advisory Board of the Oxford Institute for Retail Management, Non-executive director of the Competition and Markets Authority, Chairman of Fat Face, Chief Executive of HMV Group.Alan has taught on the Oxford MBA programme at Saïd Business School.

Prof. Andrea Ferrero

Professor in the Department of Economics at the University of Oxford and the Levine Fellow in Economics at Trinity College, where he teaches undergraduate and graduate macroeconomics. He is currently an academic consultant for the Bank of England and was a consultant the Norges Bank between 2014 and 2016.

Syllabus

Module STEM

New Frontiers of Science: Maths, Physics, Computer Science and Engineering

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Module Description

How will big data drive future smart city innovation? How will Artificial Intelligence enable rapid and stable intelligent manufacturing of personalised products? How do we design bridges? Is maths useful for sports? Will robots fully mimic humans?

Students will explore ways to apply creative reasoning and science to solve real problems while crossing traditional boundaries of disciplines. As disciplines converge into new hybrid fields students engage with the highest-level academicians and leading experts who invent and research the cutting-edge solutions of the modern world. This programme focuses on practical aspects of mathematical modelling, physics and engineering, asks questions about the worth of technology transfer and encourages students to find missing links between everyday phenomena.

Learning Outcomes:

- Have the requisite knowledge and understanding to make their own critical scientific assessments of current issues.
- Develop critical thinking skills necessary for mathematical modelling.
- Develop an understanding of the scale of the Universe.
- Describe and apply the principles of intelligent manufacturing.
- Gain insight into the future of quantum computing and optimisation of robotics.
- Comprehend the historical evolution of Newtonian mechanics and its place in contemporary world as well as in the future.
- Investigate the multitude of high entropy materials.

Proposed Topics

- Multicomponent High-entropy Materials – Cantor Alloys
- Mathematical Modelling: Art of Problem Solving
- Renewable Energy for a Low-carbon Future
- Conservation laws. Noether's Theorem
- Particle Accelerators: From Making Higgs Bosons to Curing Cancer
- Human-AI Interaction: Digitalisation and Collective Action
- Transportation: Future Powertrains
- Intelligent Manufacturing of Personalised Products
- Modelling Sports Dynamics
- The Role of Big Data in a Smart City
- The Dark Side of the Force: Dark Energy and Dark Matter

This course is for students of:

Engineering related degrees, Material Science and Technology, Physics, Mathematics, Transportation, Space Science and Technology, Computer Science, Artificial Intelligence, etc.

Prof. Sir Mike Brady

Fellow of the Royal Society, Fellow of the Royal Academy of Engineering, Fellow of the Academy of Medical Sciences, Professor in the Department of Oncology. Professor Brady was Deputy Chairman of Oxford Instruments plc from 1994 to 2014. He was awarded the Faraday Medal for the year 2000, and a Third Millennium medal of the IEEE.

Prof. Artur Ekert

Fellow of the Royal Society, Professor of Quantum Physics at the Mathematical Institute, University of Oxford. He was awarded the 1995 Maxwell Medal and Prize by the Institute of Physics, the 2007 Hughes Medal by the Royal Society and the 2019 Micius Quantum Prize. His research extends over most aspects of information processing in quantum-mechanical systems.

Prof. Brian Cantor

Fellow of the Royal Academy of Engineering, Commander of the British Empire. Professor of Materials in the Department of Materials, Former Vice-President of the Royal Academy of Engineering. He was awarded the Rosenhain and Platinum Medals of the Institute of Materials, Minerals and Mining. He has published over 300 papers and books, given over 100 invited talks in more than 15 countries.

Prof. Harish Bhaskaran

Professor of Applied Nanomaterials in the Department of Materials, EPSRC Fellow in Manufacturing. He is an inventor of phase change photonic computing and continues work in establishing the field. His work has been featured widely over the last several years in Science, Nature, The Economist, MIT Technology Review, Fortune, Wired, BBC etc.

Dr Tom Crawford

Fellow and Tutor at St John's College, Early Career Teaching and Outreach Fellow at St Edmund Hall, University of Oxford. Dr Crawford runs the award-winning website www.tomrocksmaths.com and has had partnerships with the European Mathematical Society. He can also be found on Numberphile – the largest maths education channel on YouTube with over 3 million subscribers.

Prof. Dino Sejdinovic

Professor at the Department of Statistics, Turing Fellow of the Alan Turing Institute. He is broadly interested in statistical foundations underpinning large-scale machine learning algorithms. Professor Sejdinovic conducts research at the interface between machine learning and statistical methodology with a focus on kernel and nonparametric methods.

Prof. Martin Bureau

Lindemann Fellow and Tutor in Physics at Wadham College, Roadly

Proposed Topics

- Medical Artificial Intelligence Vision
- Haematopoiesis: from Normal to the Disease State
- Macrophage & Anti-microbial Activity
- Computer-aided Drug Design
- Flash Radiology
- Drug Development and Clinical Trials
- Cell biology: Evolutionary Perspectives on Cancer and Ageing
- Neurodegenerative Diseases: the Coming Epidemic
- Biomedical Engineering: Tissue Reconstruction and Angiogenesis
- Deep Brain Simulation and Testing
- Autoimmune Diseases and Checkpoint Therapy
- Quantifying Parkinson' s Disease and Digital Phenotyping
- Is Vision Driven by the Eye or the Brain?
- Extracellular Vesicles in Health and Disease
- Vascular Pharmacology

This course is for students of:

Medicine, Genetics, Psychology, Public Health, Pharmacology and other related fields.

Syllabus

Module MS

Medical Sciences

Module Description

Why do people get cancer? What happens to the brain when we get older? What is checkpoint therapy? Can stem cells be used to cure any disease? Is ultrasound useful for administering drugs? Antibiotics – can they be dangerous?

This module provides an insight into the hottest topics in medicine and health related subjects. The greatest brains in the field will guide the students through the intricacies of medical and clinical research, paying particular attention to the latest technology developments in gene-editing and oncological imaging. Students will investigate the processes involved in neurodegenerative diseases and oncology as well as will analyse the steps necessary in clinical trials and drug development. The course offers a preview of how interdisciplinary teams are the only way to advance biomedical sciences and offers a comprehensive framework in translational medicine. Students will also examine various models of healthcare systems and clinical practice to become more aware and better informed physicians.

Learning Outcomes:

- Develop understanding of the state-of-the-art tools and techniques in biomedical research.
- Appreciate the importance of interdisciplinary teams in cutting-edge developments.
- Explore the ethical and regulatory issues in research.
- Understand the complexities of cancer research and neurodegenerative diseases.
- Have insight into the role of nanotechnology in biomedical applications such as vaccinations, drug delivery or cell cultures.
- Gain understanding of biomaterial manufacturing processes and its role in regenerative medicine.
- Discuss various aspects of inflammatory processes in body.

Proposed List of Lecturers (Partial)

Prof. Graham Richards

Fellow of the Royal Society, First Chairman of Chemistry at the University of Oxford. He also founded Oxford Molecular, a scienti fc software company that at its peak was worth £450m and helped set up Oxford University Innovation, Oxford's technology transfer company that has brought approximately 60 spin-out companies into existence.

Prof. Sir Mike Brady

Fellow of the Royal Society, Fellow of the Royal Academy of Engineering, Fellow of the Academy of Medical Sciences, Professor in the Department of Oncology. Professor Brady was Deputy Chairman of Oxford Instruments plc from 1994 to 2014. He was awarded the Faraday Medal for the year 2000, and a Third Millennium medal of the IEEE.

Prof. Sir Walter Bodmer

Fellow of the Royal Society, Honorary Fellows of the Royal Society of Chemistry, Fellow of the Academy of Medical Sciences, Professor of Genetics in the Department of Oncology (Medical Sciences Division) at the University of Oxford, and Head of the Cancer and Immunogenetics Laboratory at the MRC Weatherall Institute of Molecular Medicine, Oxford.

Prof. Sonia Antoranz Contera

Professorial Fellow of Green Templeton College, and a Professor of Biological Physics at the University of Oxford Physics Department. Her work lies at the interface of physics, biology, and nanotechnology. She was the founder, director and co-director of the Oxford Martin Institute of Nanoscience for Medicine at the Oxford Martin School.

Prof. Robert Carlisle

Fellow of St Cross College, Associate Professor in Biomedical Engineering, Director of MSc in Nanotechnology for Medicine and Healthcare, Associate Director of Synthetic Biology CDT. The majority of Bob ' s work has been concerned with achieving systemic delivery of anti-cancer agents for the treatment of metastatic cancer.

Prof. Chrystalina Antoniades

O f cial Fellow of Reuben College, Associate Professor of Neuroscience in the Nu f eld Department of Clinical Neurosciences at the University of Oxford, the Chair of the Clinical Neurosciences Society. Professor Chrystalina Antoniades' interest lies in examining the neurobiological relationship between visual perception and art.

Prof. Dame Frances Ashcroft

Dame Commander of the Order of the British Empire, Fellow of the Royal Society, Fellow of the Academy of Medical Sciences, Research Professor in the Department of Physiology, Anatomy and Genetics at the University of Oxford, Professorial Fellow of Trinity College, University of Oxford. Her research focuses on ATP-sensitive potassium (KATP) channels.