



Academic Outline 2016

Overview

Oriel College (University of Oxford, UK) and CBL International, a not-for-profit exclusive education provider, are inviting students and working professionals from selected schools and institutions to participate in a 4-week session of *CBL International Oxford Summer Institute at Oriel College*. Delegates can also extend their stay for up to 10 weeks in Oxford or combine this with our sister programme in Cambridge, *Cambridge Summer Institute* offered jointly with Magdalene College (University of Cambridge, UK).

Four sessions will be held in Oxford:

- **Session I: 3 July – 30 July 2016**
- **Session II: 17 July - 13 August 2016**
- **Session III: 31 July - 27 August 2016**
- **Session IV: 14 August - 10 September 2016**

This summer programme will give all participants the opportunity to attend cutting-edge lectures on several subjects. Delegates will appreciate the strong focus on global economics and policy trends, international law, philosophy, British literature and academic writing, and natural science. This programme is the only extensive summer programme in Oxford that focuses on law, economics, philosophy, politics, computer science, physics, and mathematics, British literature and academic writing, natural science, and business and legal English.

A certificate will be jointly issued by Oriel College and CBL International to the participants. *Oxford Summer Institute* is a certificate programme that may be accountable for optional credits depending on the requirements of the home institution/school/university.

Combining lecture time, preparation, study time, and tests, each week is designed to be the equivalent to 2 - 3 ECTS credits or 1 - 1.5 US credits. Each week delegates are invited to participate in one examination. All programmes offered by CBL International Education in the UK are run by Oxford King's College Ltd (OKC Ltd.). We are proud to announce that OKC Ltd. is accredited by the British Accreditation Council.



The following courses will be offered during the programme:

Note: *All the below-mentioned courses are subject to possible changes.*

Economics Courses

1. **Global Macroeconomics:** This course will cover important subjects of macroeconomic fluctuations in the Western World, mainly the United States and the European Union, as well as China, Japan, and South-East Asia; fiscal policy and debt dynamics in the world economy; exchange rate policy and global demand imbalances; international inflation performance, consumption, and savings in the global economy. The lecture series will provide delegates with a clear picture of today's global economic performance and its challenges.
2. **Financial Crisis and Policy Responses:** This course will at first introduce participants with the banking systems and the financial crisis of 2008, emphasising the credit crunch and its effects on the real economy, and then deal with the sovereign debt crisis in Europe; the so-called 'Euro Crisis'. This course will also cover subjects such as unconventional monetary policy and the banking reform as a result of the financial crisis.
3. **International Taxation:** This course offers an in-depth understanding of international taxation, various aspects of taxation in cross border transactions, historical background of the OECD Model Tax Convention and how it has developed, basic scheme of the convention, role of commentaries, observations, and reservations.
4. **Selected issues in Corporate and Tax Law:** This course will focus in more detail on a variety of issues affecting corporate and tax law. By introducing corporate law concepts, the course will introduce delegates to derivative action, and tax law concepts. In recent years the topic of corporation tax has become widely discussed particularly regarding debt and equity. The financial sector will be analysed in detail to understand how taxation is applied as well as avoided.
5. **Development Economics:** This course will give an overview of policy-related issues faced by developing countries from both theoretical and applied perspectives. Topics covered include economic development and economic growth; poverty and inequality; gender discrimination; governance and



institutions; media and corruption; natural resources and development; and the effectiveness of foreign aid in assisting developing countries.

6. **Behavioural Economics:** The objectives of this course are to introduce students to the approach and methods of behavioural economics. Psychological and social factors play an important role in human behaviours and decision-making processes. Behavioural economics increase the explanatory power of economics by incorporating these factors in order to provide more realistic psychological foundations for economic analysis.

International & UK Law Courses

1. **European Business Law:** This course will introduce the main concepts in European law and European Business Law giving students a better understanding of the European Legal System.
 - a. **European Institutions and Economic Law:** This lecture series discusses how the European Union (EU) works: the federal structure of the EU, regulatory competition and federal law making including an overview of the European institutions.
 - b. **European Corporate Law:** This course discusses the European corporate law and the coordination of domestic laws in order to minimise conflicting burdens for cross-border establishment of corporation. It also gives insights of the various options for European corporate structures and discusses the SA as the latest version of a European corporate structure for multinational companies.
 - c. **European Competition Law:** These lectures are designed to allow general understanding of the core economic concepts of competition in the market economy system within the European Union (EU). As competition law is always connected to consumer protection this important aspect of European law is also covered as part of this lecture series.
2. **International Business Law:** This course gives an insight into selected aspects of legal theory and international business law relevant for running corporations with regards to international trade and commerce.
 - a. **Legal Theory:** In this lecture series, students gain an in-depth knowledge of the functions of the rule of law in Common law jurisdictions, as well as



to consider law in a practical manner. These lectures analyse the nature and importance of rules in legal systems and examine some of the main difficulties associated with the implementation of laws, rules, and regulations.

- b. **Intellectual Property Rights:** This course will provide an overview of the international legal framework of the protection of intellectual property, enabling the participants to obtain an understanding of the operation of intellectual property rights in international trade. It will also focus on the aspect of management of IP Rights within multinational corporations.
3. **United Kingdom Corporate & Contract Law:** This course will provide delegates with important legal aspects of international mergers and acquisitions. As many international contacts are governed by UK, US, or Hong Kong law, it is important for student to learn about these aspects of common law. Additionally, students will be introduced to the concept of contracts and how British law may govern these.
4. **International Environmental Law:** International environmental law is a dynamic and rapidly developing area of international law. It regulates the management and use of natural resources, defines the relationship between people, the environment and national and international governance and establishes systems of liability for environmental damage.
5. **International Trade and Maritime Law:** This course will examine all the pressing issues of International Trade Law, and will shed light on the emerging trends and challenges in the field. It will offer a comprehensive overview of International Economic Law and explore all the surrounding aspects of trade. Class activities, case law, success stories, and moot court activities will complement each lecture. Upon completion of this course, students should expect to have a sound and thorough understanding of international trade law irrespective of their academic background. The sea constitutes two-thirds of the entire planet and is of fundamental importance to human activity, sustaining life, providing commerce and navigational routes and a substantial proportion of our natural resources. Taking into account the need to regulate such a wide range of sea-related transactions, this course will provide delegates with an understanding of shipping law, maritime law, international trade, and law of the sea.
6. **UK Tort Law:** The course introduces delegates to the basic principles of tort law within a social and economic context. Delegates are given the opportunity to make critical assessment of the law of tort and the way in which it works in



practice. It examines the UK dimension through an examination of relevant directives, regulations and case law of the UK justice system

7. **Comparative Constitution Law (UK vs US) including Human Rights:** This course will show how English law and precedent ‘the rule of law’ led to the American Revolution and the US constitution. The course begins with England in the 17th century, including Magna Carta, rule of law, independent courts, the development of the jury, the power of Parliament to tax, and the development of laws restricting freedom of speech/press (seditious libel). Following this, delegates will analyse the consequential laws and precedents following the Civil War and the Glorious Revolution, including notable acts, bills, and cases. Moving to the US, the course will show how the US Constitution-makers relied on these principles to create a US constitution, and the American bill of rights. Finally, the course will look at the way U.S. Constitutional law, with significant judicial review and a written constitution diverges from the English notion of parliamentary supremacy.
8. **International and UK Banking Law and EU Financial Regulations Reform:** The banking industry has recently gone through massive changes, which have changed its structure, the way it operates and the very nature of what was thought to be a stable yet dynamic environment. The systemic nature of the banking sector gives rise to challenges that need expertise in both law and finance in order to be effectively and successfully addressed. The programme is designed to be both theoretical and practical using case studies, which will enable students to understand the issues that the banking sector faces and provide solutions whilst ensuring the successful and profitable operation and development of the sector.
9. **International Criminal Law:** Issues of international law and international justice are at the forefront of public debates to a greater degree than ever before. International law provides the intellectual and the technical underpinnings to large areas of international co-operation, including:
 - the prosecution of war crimes (both internationally and nationally);
 - the legality of the use of force against States (e.g. Libya and Iraq);
 - the scope of human rights protection (e.g. the ‘war on terrorism’);
 - the international crimes and international criminal tribunal.



PPE & Philosophy Courses

1. **Historic Political and Economic Philosophy:** This course gives delegates an overview of historic philosophical schools. It covers aspects of ancient European philosophy with its origins in Athens and Rome as well as medieval thinking. It will give delegates the chance to learn more about the different concepts of state, power, individual rights, as well as the origins of economical ethics.
2. **Contemporary Political and Economic Philosophy:** This programme gives an insight into the modern philosophical thinking beginning with Machiavelli and the enlightenment. Various philosophical schools and their viewpoints will be discussed and the ideas of John Locke, Adam Smith, and Descartes will be analysed. Concepts of justice, equality, need, and human rights will be addressed including aspects of theories which argue that there is a duty of justice to distribute resources; justice towards future generations; national self-determination, multiculturalism, and the various concepts of a 'just war'.
3. **Ethics and Global Issues:** This course aims to give a broad overview of some of the major topics and debates within contemporary ethics, introducing students to the nature and motivation of normative inquiry, the leading theories of moral conduct, as well as considering a number of prominent ethical issues relevant to current affairs. Theories such as egoism and altruism will be introduced as well as debatable issues like terrorism, human rights, and poverty will be open to class discussion.

Computer Science, Physics, and Mathematics Courses

1. **Cosmology and Large-Scale Structure:** The aim of this course is to present the most relevant theoretical and observational results on which modern cosmology are based. The course covers the basic mathematical framework of the standard cosmological model, its observational motivations and its most important shortcomings. At the end of the course students should be able to understand the main open questions in cosmology, as well as the current and future observational and computational tools used to tackle them.
2. **Theoretical Physics: Symmetries and Field Theories:** This short course will focus on one of the primary guides to our understanding of modern day physics: symmetries. In particular, how symmetries can be used to construct gauge theories, the Higgs mechanism and gravity as a gauge theory. Topics covered include Symmetries and field theories, The Higgs mechanism and gravity as a gauge theory, Shift and Galilean symmetries in the early and late universe.



3. **Numerical Analysis:** Differential equations are one of the most fundamental tools in almost all areas of science. The aim of this course is to give an introduction to the numerical solution of differential equations. Starting with the representation and approximation of functions (continuous objects) by vectors (discrete data), delegates discuss how the basic calculus tasks (differentiation, integration) are done on a computer and move on to solving differential equations. The course will be a combination of lectures and practical computing work.

4. **Image Processing & Surface Computing**

Image Processing: Image processing uses mathematics to manipulate digital images like from a camera or a medical scanning device. The aim of this course is to give an introduction to diffusion PDEs as a means for image processing. Diffusion processes are used to remove noise while preserving or enhancing features such as edges which play an important role in the human perception of an image. In particular we will discuss edge-stopping, edge-enhancing, and coherence-enhancing diffusion models. Beyond that we will give an overview over other image processing tasks such as image inpainting and image deblurring which can be modelled with PDEs. The course will be a combination of lectures and practical computing work.

Surface Computing: This course introduces numerical solutions of Partial Differential Equations (PDEs) on surfaces using the Closest Point Method. Surface PDEs arise from many applications in physics, biology, and engineering. Among various numerical techniques for solving surface PDEs, the Closest Point Method is easy to implement and it works for a wide range of PDEs on surfaces with complex geometries. This course will cover basic theories, numerics and MATLAB implementations related to the method. On completion of the course, students can potentially solve interesting PDEs on intricate surfaces.

5. **Knowledge Representation and Ontologies:** Knowledge Representation is at the heart of the great challenge of Artificial Intelligence: to understand the nature of intelligence and cognition so that computers can exhibit human-like abilities. The course is self-contained and assumes no prior knowledge of Logic or Computer Science. It begins with general background on Classical Logic, Theorem Proving, and Computational Complexity. Then, it turns to specialised logic-based languages that are commonly exploited in applications. We will put special



emphasis on the so-called Ontology Languages, their underpinning formalisations, and their implementation in modern applications.

Academic Writing Courses (English Literature & History Oriented)

1. **English Literature:** This course will offer delegates a strong foundation for understanding the various facets of English Literature across eras and genres, tempering historical and ideological depth with attention to textual details. Prose, poetry, and drama will be considered in dynamic ways, inflected by engagement with various political, socio-economic, religious, philosophical, and cultural ideas.
2. **Academic Writing & Critical Thinking:** Students will learn how to identify and critique implicit claims in academic and journalistic writing, what characterises weak arguments and how to formulate strong ones, as well as how to interrogate visual arguments in video or photographic media. Students will also acquire more practical skills, including how to interpret essay questions, how to structure and reference an academic essay, as well as how to write with clarity, brevity and maximum impact.
3. **British Culture and History:** The objective of this course is to provide students with an understanding of how English and British culture has developed over the ages. Why, for instance, do we use the terms 'English' and 'British' interchangeably? How have they shaped each other conceptually? How has the notion of nationhood manifested itself in British art, literature, and culture in different eras? Each lecture will provide delegates with a strong historical and cultural foundation with which to approach literary texts, while also encouraging students to engage critically with questions of historiography.
4. **Intercultural Communication:** This course will look at key academic and practical topics involved in intercultural communication. Drawing on the fields of literary studies, linguistics, anthropology, ethnography, and cultural studies, delegates will analyse topics including, 'Communicating between cultures', 'Translation', 'Verbal and Non-verbal Communication', and 'Cultures and Concepts'.

Business and Legal English Courses

1. **Business English:** This course will focus on the reading, writing, and listening skills of the English language in a business context. By being able to understand



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and use the business language, participants have the possibility to further their careers in both their quality of work and build relationships among colleagues and clients.

2. **Legal English:** This course will provide delegates the ability to communicate on an international level using precise and correct legal language. Upon completion of the course, participants will improve their confidence in explaining points of law, enhance their drafting and editing skills, and ultimately represent their organisation in a more effective manner.

Additional Programme Features

These features are offered complimentary in each session to all delegates

1. **Visit to London:** It is essential not only to learn the theory of international law and economics but also to understand some of the important practical aspects. Therefore included in the programme is a trip to the City of London where students will have the chance to visit some of the following: British and international institutions, city law firms, Inns of Court, banks, corporations, or courts. Previously visited institutions are, among others:
 - Thomson Reuters
 - Allen & Overy LLP
 - London School of Economics and Political Science
 - Fountain Court Chambers
 - UBS
 - Westlaw
 - The Royal Courts of Justice
 - Lincoln's Inn
 - Middle Temple Inn
 - Bank of England
 - International Maritime Organisation
 - International Sugar Association
 - Incorporated Council of Law Reporting
 - London Court of International Arbitration
 - Harvey Nichols
 - Rouse
 - BBC
 - Houses of Parliament
 - City University London
2. **Visits and workshops:** Delegates of the Computer Science, Physics, and Mathematics courses will also have the chance to go to London, various institutions or labs in Oxford or Cambridge. As the classroom lectures are good venues for more theoretical content, visits to practical environments are a good opportunity for students to understand how science and technology is applied, and what cutting edge technology is being developed to advance our frontiers in technology, energy and infrastructure.



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Possible visits may include:

Institution	Area of Interest	Location
Sharp Laboratories of Europe	Optoelectronics/ IT / Health technology	Oxford
Poyry	Energy engineering and market	Oxford
Culham Centre for Fusion Energy	Nuclear energy/ physics/ engineering	Oxford
Cavendish Laboratory Museum	Physics	Cambridge
Thames Barrier	Engineering/ Infrastructure	London
Royal Observatory Museum	General Science/Astronomy	London
Science Museum London	General Science	London

3. **Cultural Activities in Oxford:** Throughout the programme, delegates will have the opportunity to get to know the city of Oxford through a variety of activities. This is a selection of cultural activities and visits organised in previous years:

- Oxford Walking Tour
- Ashmolean Museum
- Pitt Rivers Museum
- College Tours
- BMW Mini Plant Tour
- Film Nights
- Pub Crawl
- Quiz night
- Academic and Cultural Evening Talks
- Blenheim Palace
- Sports activities
- Punting
- River Cruise
- Oxford Castle
- Botanic Gardens
- Blackfriars Dominican Convent

Faculty

CBL International, Oriel College, and all involved colleges are composing a strong team of faculty members including professors, university lecturers, university researchers, college tutors, and DPhil candidates from the University of Oxford (UK) and the University of Cambridge (UK) to teach your courses. In the meantime, some teachers and lecturers will also be invited from other prestigious universities such as the London School of Economics and University of California, Berkeley, and other selected institutions.

The following faculties (selection) worked with *Oxford Summer Institute* in previous years:

- **Professor Keith Hawkins**, Emeritus of Law and Society at University of Oxford (UK), Fellow Emeritus of Oriel College, University of Oxford (UK)



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- **Professor Dan Prentice**, Emeritus Professor of Corporate Law, University of Oxford (UK), Fellow of Pembroke College, University of Oxford (UK)
- **Professor Andrea Ferrero**, Associate Professor, Department of Economics, Tutorial Fellow, Trinity College, University of Oxford (UK)
- **Dr. Christopher Malone**, Lecturer in International Relations at Queen's College, University of Oxford (UK), DPhil in Philosophy, University of Oxford (UK)
- **Dr. Anzhela Yevgenyeva**, Research Fellow at SAID Business School, University of Oxford (UK)
- **Dr. Colin B. Macdonald**, University Lecturer in Numerical Methodologies, Tutorial Fellow in Applied Maths, Oriel College, University of Oxford (UK)
- **Dr. Robert Pitkethly**, Official Fellow and Tutor in Management, St. Peter's College, University of Oxford (UK)
- **Dr. Catherine MacKenzie**, University Lecturer in International Environmental Law, Selwyn College, University of Cambridge (UK)
- **Dr. James Methven**, former Dean and Tutor of English, Oriel College, University of Oxford (UK)

Certificate and Academic Transcript

A certificate will be jointly issued by Oriel College and CBL International to the participants. *Oxford Summer Institute* is a certificate programme that may be accountable for optional credits depending on the requirements of the home institution/school/university.

The Academic Transcript will show the courses chosen and attended by each delegate. It will indicate the workload of each course as well the results of exams and assignments. Each week, one course will be taught. Combining lecture time, preparation, study time, and tests, each week is designed to be equivalent to 2 - 3 ECTS credits or 1 - 1.5 US credits. Each week delegates are invited to participate in one examination. All programmes offered by CBL International Education in the UK are run by Oxford King's College Ltd (OKC Ltd.). We are proud to announce that OKC Ltd. is accredited by the British Accreditation Council.



Oxford Summer Institute



Combination of *Oxford Summer Institute* and *Cambridge Summer Institute*

Since 2013, *Oxford Summer Institute* has a very exclusive sister programme, *Cambridge Summer Institute*, offered jointly with Magdalene College (University of Cambridge, UK). This academic programme is the only extensive summer programme in Cambridge that focuses on international business management, international relations and politics, history, and business and legal English. It is possible for delegates to combine these two outstanding academic programmes and spend up to 10 weeks in Oxford and 8 weeks in Cambridge. Please contact our Academic Programme and Partnership Managers for further details.

Tuition and Accommodation

Tuition Fee

Tuition fee per student GBP 2,950

Accommodation

College accommodation, bed & breakfast (single room) GBP 1,860

Extra charge for full board (lunch and dinner served daily) GBP 700

Application and Contact Details

Student groups can apply through a university/school representative. Qualified representatives will be individual professors, programme directors, or heads of international offices.

For further information regarding *Oxford Summer Institute* and the application process, please contact:

Oxford Partner Office

Phone: +44 1865 236 580

Email: info@cbl-international.com

Shanghai Partner Office

Phone: +86 21 6037 3955

Email: universities@cbl-international.com