



# CBL International Oxford Summer Institute at Oriel College



## Academic Outline 2015

### Overview

Oriel College (University of Oxford, UK) and CBL International (Centre for International Business and Commercial Law) are inviting groups from selected university faculties to participate in a 4-week session of *CBL International Oxford Summer Institute at Oriel College*.

Four sessions will be held in Oxford:

**Session One: 5 July to 1 August 2015**

**Session Two: 19 July to 15 August 2015**

**Session Three: 2 to 29 August 2015**

**Session Four: 16 August to 12 September 2015**

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, and natural science. This programme is the only extensive summer programme in Oxford that focuses on philosophy, politics, law, economics and natural science.

The following courses will be offered during the programme:

### 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



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distribute resources; justice towards future generations; national self-determination, multiculturalism, and the various concepts of a 'just war'.

## 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. 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.

**5. 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.



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## 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.



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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.

## Natural Science 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.



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**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.

## **English Literature & Academic Writing**

**1. 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



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structure and reference an academic essay, as well as how to write with clarity, brevity and maximum impact.

## Additional Programme Features

*These features are offered complimentary in each session to all delegates*

### 1. **Business and Legal English Course (for the level of English of all other EFL subject courses):**

- a. **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 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.
- b. **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.

### 2. **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



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3. **Visits and workshops:** Delegates of the Natural Science 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.

Possible visits will be:

<b>Institution</b>	<b>Area of Interest</b>	<b>Location</b>
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

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

## 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 worked with CBL 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)
- **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)





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- **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)

## Certificate and Academic Transcript

A certificate co-signed by Oriel College and CBL International will be issued 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.

## Combination of Oxford Summer Institute and Cambridge Summer Institute

CBL International is jointly offering Oxford Summer Institute with Oriel College (University of Oxford, UK). Additionally CBL International is offering a Cambridge Summer Institute in collaboration with Magdalene College (University of Cambridge, UK). It is possible for delegates to combine these two outstanding academic programmes and spend up to 4 weeks in Oxford and 4 weeks in Cambridge. Please contact our Academic Programme and Partnership Managers for further details.





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## **Tuition and Accommodation**

### **Tuition Fee**

Tuition fee per student GBP 1,980  
*(Tuition fee for non-developing countries is GBP 2,880)*

### **Accommodation**

College accommodation, bed & breakfast (single room) GBP 1,650  
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 CBL International Oxford Summer Institute at Oriel College and the application process, please contact:

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