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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:

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:

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.

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



International Law



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

: 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.

: 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.

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.

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.

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 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. : 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. : 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



International Trade Law



- b. : 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.

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.

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.

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. 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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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.

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.

: 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.

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.

These features are offered complimentary in each session to all delegates

1.

a. 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. 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. 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. 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:

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

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

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



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- Lecturer in International Relations at Queen's College, University of Oxford (UK), DPhil in Philosophy, University of Oxford (UK)
- , Research Fellow at SAID Business School, University of Oxford (UK)
- , University Lecturer in Numerical Methodologies, Tutorial Fellow in Applied Maths, Oriel College, University of Oxford (UK)
- , Official Fellow and Tutor in Management, St. Peter's College, University of Oxford (UK)
- University Lecturer in International Environmental Law, Selwyn College, University of Cambridge (UK)

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.

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.



International Office at Oriel College



Tuition fee per student <i>(Tuition fee for non-developing countries is GBP 2,880)</i>	GBP 1,980
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College accommodation, bed & breakfast (single room)	GBP 1,650
Extra charge for full board (lunch and dinner served daily)	GBP 700

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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