



**Oxford & Cambridge Academic Programme 2024**



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## SOCIAL

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## INTRODUCTION



”

*THE INTRIGUING MIX OF TECHNOLOGY AND EDUCATION IN OXFORD AND CAMBRIDGE SERVES AS A CATALYST FOR ALL KINDS OF EXCITING INNOVATIONS.*

“

**KATE KIRK, AUTHOR & LECTURER**  
WELCOME CEREMONY WINTER 2019

# PROGRAMME STRUCTURE

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& PROJECT WORK**

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ACTIVITIES & EXCURSIONS**

## IMPORTANT INFORMATION

### DATES

This year we will be running programmes in February and August, primarily.

### APPLICATION

For undergraduate and master students (aged 18-25) who are able to communicate in English on a daily basis.

### ASSESSMENT & CERTIFICATION

Assessment will be completed through project work and attendance. At the end of the programme, you will receive a Programme Certificate and a Student Record.



Fitzwilliam College, Corpus Christi College Cambridge University and St Hilda's College, Oxford are homes to diverse and independent thinking.



# OUR PROGRAMMES 2024

Have a look at our new offering exclusively for 2024. (1/2)

## MEDICINE

Our medicine courses are intellectually stimulating and professionally challenging. As a medical student, you'll experience a rigorous, evidence-based medical education within the research-rich environment of the University.

Students have opportunities to pursue research and project work throughout the course.



## NATURAL SCIENCES

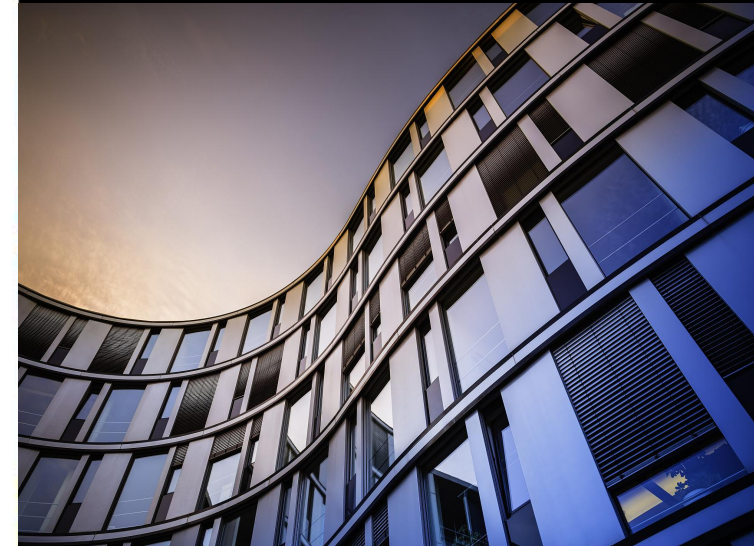
Zoology or Chemistry? Materials Science or Astrophysics? Maybe Psychology or Microbiology...? Or even Maths! The choices you have are endless.

Natural Sciences offers a wide range of science and STEM subjects from 16 departments in a unique and demanding course.

## LAW

How do we determine what is fair and just in this world? Law is a rewarding subject as you learn about justice and how legislation is constantly evolving in order to protect society and vulnerable individuals.

Our Law programme enables our students to understand law in its historical and social contexts. It will also encourage students to examine its general principles and techniques.



# OUR PROGRAMMES 2024

Have a look at our new offering exclusively for 2024. (2/2)

## HUMANITIES

Humanities expand our knowledge of human cultures and help us understand what binds us together and what differentiates us from one another. In addition to these high-level insights, however, they also provide practical applications that can enhance your professional skillset and give you a competitive edge.

Our humanities courses are a mixture of several disciplines: from history to art enabling you to have a true taste.



## ENTREPRENEURSHIP & INNOVATION

Entrepreneurship and innovation help students become independent and channel their creativity into creating something of their own in this competitive world.

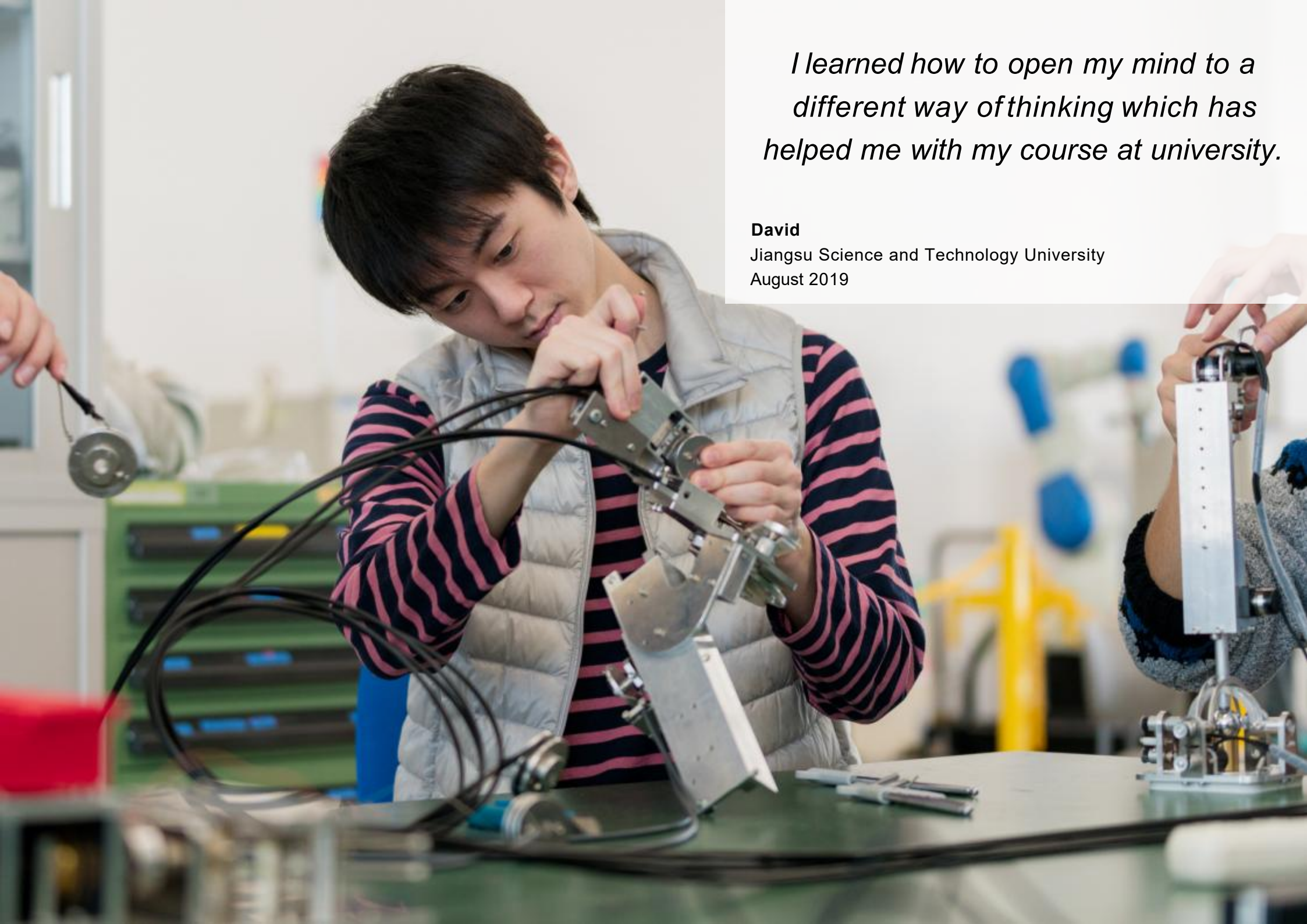
Studying entrepreneurship and innovation on our programme will enhance your analytical and logical skills enabling you to solve any problem.

## OXBRIDGE EXPERIENCE

The word 'Oxbridge' is the combination of Oxford and Cambridge and refers to the two historic universities.

This programme will give our younger students a veritable taste of what it is like studying at a world-class university. From subjects ranging from History to Chemistry, they will be supported through these university academic-led lectures with extra English language preparation.



A young man with dark hair, wearing a grey puffer vest over a black and pink striped long-sleeved shirt, is focused on working on a complex mechanical device. He is holding a metal component with both hands, and several black cables are connected to it. The device is mounted on a metal base. In the background, there are other people working on similar devices, and the setting appears to be a laboratory or workshop with various equipment and tools. The lighting is bright and even.

*I learned how to open my mind to a different way of thinking which has helped me with my course at university.*

**David**

Jiangsu Science and Technology University

August 2019

## SAMPLE TOPICS

### Social Context of Health & Illness

- Why do people suffer from Illness
- The limits to medicine: its scope and remit, how medicine will develop

### Core Science & Pathology

- Disease and Immunity
- Introduction to Parasitic Diseases
- The Future of Disease - New Threats, New Insights

### Diagnostic Reasoning & Patient Investigation

- Clinical History
- Working Diagnosis
- Physical Exam

### Professional Skills

- Professional behaviour & Patient Safety
- Medical Ethics and Law

## WHO SHOULD CONSIDER THIS COURSE?

University students studying medicine, Genetics, Psychology, Public Health, Pharmacology and other related fields.

This course offers a preview of how interdisciplinary teams are the only way to advance biomedical sciences and offers a comprehensive framework in translational medicine. Ranging from theoretical sessions to practical workshops, experts will guide the students through the subtleties of medical and clinical research.

## SAMPLE LECTURERS



### **Professor 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.



### **Professor 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.



### **Professor Chrystalina Antoniades**

Official Fellow of Reuben College, Associate Professor of Neuroscience in the Nuffield Department of Clinical Neurosciences at the University of Oxford, the Chair of the Clinical Neurosciences Society. Prof. Antoniades' interest lies in examining the neurobiological relationship between visual perception and art.



### **Professor Ewan Smith**

During his PhD, Prof. Smith became interested in how sensory neurones are activated by acid and the apparent inactivity in naked mole rats. His research was funded by famous the Alexander von Humboldt Foundation. He is now a Fellow of Corpus Christi College where he supervises second year medicine undergraduates.



### **Dr Souradip Mookerjee**

Dr Mookerjee studied under the prestigious MB PhD programme at the University of Cambridge, which combines 6 years of medical school with 3 years of PhD research. He currently works as a doctor, practicing at St George's Hospital in London.



# NATURAL SCIENCES

ACADEMICS

## SAMPLE TOPICS

- Physics and Chemistry of Nanomaterials
  - MEM Sensors and Devices
  - Mechanics of Materials
- Nanotechnology & Renewable Energy
  - Robots and the future
- 3D Printing: how does it work?
- Why does Pain Exist? And how does it work?
- AI - Intelligent Interactive Design
  - Electronics at the Nanoscale
  - Evolution & Behaviour
  - Earth Sciences
  - Biology of Cells

## WHO SHOULD CONSIDER THIS COURSE?

University students studying engineering, biology, chemistry, maths, physics, and other STEM related subjects.

Students will explore ways to apply creative reasoning and science to solve real problems while exploring a wide range of disciplines. This programme focuses on posing questions about the worth of technology transfer and encourages students to find missing links between everyday phenomena using maths, physics, chemistry, and biology.

## SAMPLE LECTURERS



### **Professor David Applin (Emeritus)**

As head of department, Prof. Applin taught biology for a number of years at Cambridge University. He is the author of many highly successful biology course-books for all levels as well as writing books that cover Science for Public Understanding.



### **Dr Dionisius Hardjo Lukito Tjhe**

Dion is a materials scientist specialising in electronic materials and devices at Cambridge University. Collaborating with chemists from the University of Tokyo, Dion is currently studying the charge transport and thermoelectric properties of coordination nanosheets, an emerging class of two-dimensional metal-organic frameworks exhibiting curious electronic properties.



### **Dr Felix Kosasih**

Dr Kosasih is a Research Fellow at the Energy Research Institute where he is working on thermally evaporated optoelectronic devices. At Cambridge University, he taught second year undergraduates Metals & Alloys, and Robotics as part of the 1B Natural Sciences Tripos.



### **Dr Malar Chellasivalingam**

Having received her PhD at Cambridge University, Dr Chellasivalingam is a researcher at the Department of Engineering at Cambridge University. Her research is focused on MEM sensors and MEM devices to track air pollution as well as other variables.



### **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](http://www.tomrocksmaths.com) and Numberphile – the largest maths education channel on YouTube with over 3 million subscribers.



### Environmental Risks

Climate change presents risks to us all:

- Temperature changes
- Sea level changes
- Sea level rise
- Extreme weather events increased
- Increased health risks
- Risks to agriculture
- Risks to infrastructure



UNIVERSITY OF  
LAWRENCE

*I loved the lectures.*

*My favourite was Dr Vosper's sessions  
on Sustainability - I learned so much.*

**Jackson**  
Capital Normal University  
August 2023

## SAMPLE TOPICS

- Computability of Law/Legal Norms
- Governance of AI & Emerging Technologies
- LegalTech, Algorithmic Decision Making and 'Robot Judges'
- Legal Evolution
- Future of Law/Legal Cybernetics
- Chaos
- Philosophy of Science & Technology
  - Where did this law come from?
  - How might this law apply in novel situations?
- Is this law accomplishing its intended purpose? Are there any unintended consequences?
- Does this law need to be reformed?

## WHO SHOULD CONSIDER THIS COURSE?

University students studying law or interested in pursuing it as a postgraduate degree.

This course will enable students to assimilate and analyse complex information, construct arguments, write with precision and clarity. Students will learn to think on their feet as they experience lectures in a wide variety of topics from criminal to corporate law.

## SAMPLE LECTURERS



**Dr Gavin Ridley**

Dr Ridley graduated from the University of Oxford in law. Since then he has obtained Bachelor degrees and Master's degrees in sociology, criminology and psychology, and now often works with representatives and advisors at the UK Parliament. He now works as a trained UK Barrister focusing on Animal Rights in London.



**James Campbell**

Mr Campbell is a researcher at the Centre for Socio-Legal Studies at the University of Oxford. His research, under the supervision of Professor Linda Mulcahy, explores the significance of physical movement within the court building. He is also an Associate Lecturer in Law, Society and Culture.



**Sarah Fraser Butlin**

Ms Butlin is a practising barrister at Cloisters Chambers, London. She also lectures on labour and criminal law to second year undergraduates at Cambridge University. She has given evidence to the Parliamentary Cross Party Working Group on Independent Complaints and was invited to speak on Radio 4's Unreliable evidence discussing the Gender Pay Gap.



**Dr Christopher Markou**

Dr Markou is a Leverhulme Early Career Fellow and Lecturer at the Faculty of Law, University of Cambridge, Director of the AI, Law & Society LLM at the School of Law, King's College London, and a Fellow of the Royal Society of the Arts (RSA).



**Dr Sarah Coy**

Before joining the research team at Oxford University's Centre of Health, Law, and Emerging Technologies, Sarah worked for the Department of Health's Policy Research Programme. She was commissioned and monitored research to inform health policy for UK parliament.

# HUMANITIES

ACADEMICS

## SAMPLE TOPICS

- From George Elliot to TS Eliot: A Survey History of English Literature
- British Painters from 1200-2000
- That's Odd! British Architecture from then to now
- Understanding Brexit: How did we get here?
- Hellish: Dante's Inferno and its impact on Western Culture
- Psychology of Success
- Languages don't change, people change
- Feminist History and History of the Body
- Understanding Hollywood
- Shakespearean English: How to guide

## WHO SHOULD CONSIDER THIS COURSE?

University students studying or interested in Literature, Foreign Languages, Linguistics, Sociology, Anthropology, History, Drama, Film, Art, Psychology etc.

From History to Art, this programme encompasses all the humanities subjects. Students will be able to not only enjoy a wide variety of humanities-based topics but also work on their critical thinking as they are faced with challenging concepts and new ideas.

## SAMPLE LECTURERS



**Professor 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.



**Professor Lachlan Hughes**

Professor Hughes is a Director of Studies and Lecturer at St Hilda's College, Oxford University. His particular interest has been on Italian Literature - particularly, Medieval Italian poetry of the 13th century.



**Dr Justin Reay**

A senior custodian at the Bodleian Library, University of Oxford, for whom he also advises on British art collections, he is a frequent Guest Lecturer in British naval history for the University of Oxford. Apart from lecturing, he also regularly advises the BBC on British History.



**Dr Caroline Dormor**

Dr Dormor graduated from the University of Cambridge in English Literature in 2015 ranking in the top 5 students in her year. Having completed her PhD at Oxford University, she is now an academic researcher investigating Environmental literature.



**Dr Aleena Dinn**

Dr Dinn is a Research Associate at the University of Oxford. Her research focuses on South East Asian connections in Britain and works in collaboration with the University of Bristol, Queen Mary University of London, and the British Library.

## SAMPLE TOPICS

- Finding and creating opportunities
  - Opportunity Evaluation
  - Social Enterprises
  - Sustainable Business
- Running a Business in the UK
- Managing Product Development
  - Managing Innovation
  - Go-to-Market Strategies
- Building the Entrepreneurial Team
- Introduction to Entrepreneurial Finance
  - Raising Finance

## WHO SHOULD CONSIDER THIS COURSE?

University students studying or interested in business or subjects related to business and entrepreneurship.

This programme is delivered by an academic team of previous Fortune 500 board members and global industry leaders from Cambridge and Oxford University. Students will grow their understanding of innovation as well as their self confidence so they can apply lessons learned from the programme to their own careers.

## SAMPLE LECTURERS



### **Professor Simon Stockley**

Professor Stockley is a Professor in Entrepreneurship at the University of Cambridge Judge Business School and was formerly the Director of the full-time MBA programme at Imperial College (ranked 4th best MBA programme in the world). He also co-founded and exited Europe's largest anti-trafficking charity and advises the UK Parliament on modern slavery.



### **Professor Tony Kypreos**

Professor Kypreos is a visiting fellow at Cambridge University Judge Business School. He is also an advisor to the UK government's Global Entrepreneur Programme identifying the world's leading IP-based startups for global expansion from a UK headquarters, a coach at Cambridge Accelerator and an advisor and mentor with Accelerate2030.



### **Dr Sam Vosper**

Dr Vosper Lecturer in the Department of Land Economy at Cambridge University where he primarily supervises the MPhil in Environmental Economic Policy programme and Paper 5 of the undergraduate Tripos. He is an applied environmental/development economist by training and completed his PhD at the Department of Land Economy, University of Cambridge.



### **Dr Jeremy Hutchison-Krupat**

Dr Hutchison-Krupat is a Senior Lecturer in Innovation Management at Cambridge University's MBA Programme. He regularly teaches executive education programmes to help leaders improve their ability to address innovation challenges.



### **Dr Lionel Paoella**

Dr Paoella is an Associate Professor at Cambridge Judge Business School, and an Affiliated Faculty at Harvard Law School (Center on Legal Profession). He received the Cambridge Judge Teaching Award in 2017, and he has been listed among the Best 40 under 40 Professors by Poets and Quants in 2019.

# OXBRIDGE EXPERIENCE

ACADEMICS

## SAMPLE TOPICS

- From Shakespeare to Stormzy:  
an Introduction to British Poetry
- What is Pain? Why do we feel?  
An Introduction to Medicinal  
Sciences
- Go Green: Environmental  
Sustainability
- What is the law? How does it  
help us
- British Art from 1200 to 2000

## WHO SHOULD CONSIDER THIS COURSE?

University students interested in a  
comprehensive study experience in  
Oxbridge

Students on this programme will have a taste of what it is like to study at Cambridge or Oxford University. The lectures will be varied from psychology to sciences to satisfy even the most academically curious student. Students will leave the programme with a sense of independence and renewed self-confidence.

## SAMPLE LECTURERS



### **Professor Lachlan Hughes**

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### **Dr Jamie McGinn**

Dr McGinn is a researcher working at the Stem Cell Institute at Cambridge University. Her research focuses on how just a few cells can grow to form a full human, and how special cells can help to keep people's health as they grow and age.



### **Dr Sam Vosper**

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### **Dr Souradip Mookerjee**

Dr Mookerjee studied under the prestigious MB PhD programme at the University of Cambridge, which combines 6 years of medical school with 3 years of PhD research. He currently works as a doctor, practicing at St George's Hospital in London.

*It was so much fun.  
I felt like I was a university student... I  
had so much independence!*

**Alex**

Summer 2023



## LECTURE PREPARATION

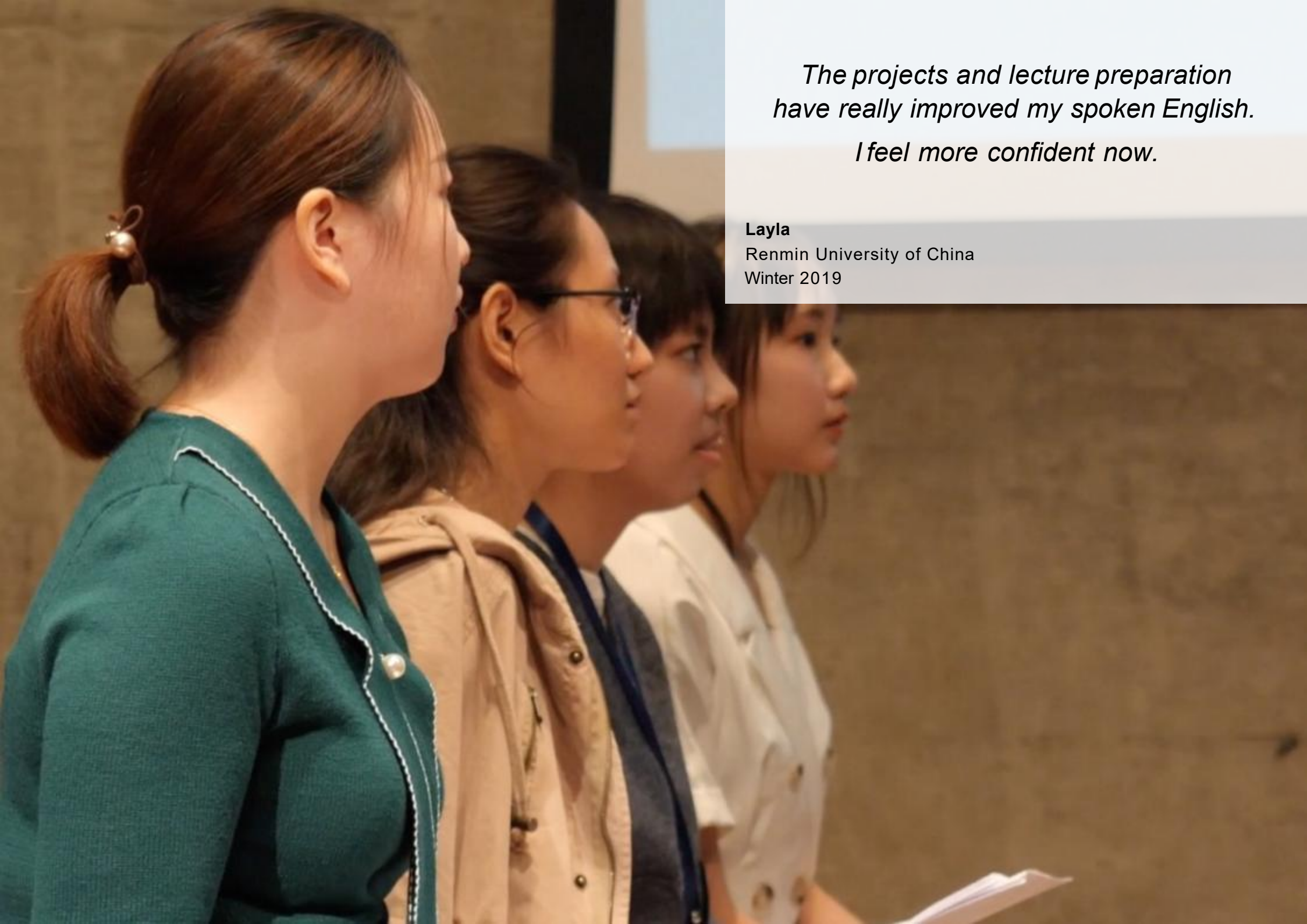
In order to get the most out of the lectures, there will be a preparation session before each lecture. This will help students with the subject-specific vocabulary.

### STUDY SKILLS

As part of the preparation, students will also take part in a short study skills course. This will help students with their note-taking skills, essay writing, presentations, and public speaking. These skills sessions will also focus on university admission skills - either at undergraduate or postgraduate level. All key skills to help them excel in their university programmes and beyond.







*The projects and lecture preparation  
have really improved my spoken English.  
I feel more confident now.*

**Layla**

Renmin University of China

Winter 2019

## PROJECTS

### CAMBRIDGE UNION DEBATE

This project will introduce you to one of the oldest debating styles in the world and will get you standing up and delivering a speech like you would in the Cambridge Union! As a team, you will come up with interesting arguments about a certain issue. This project ends in a lively debate where there will be prizes for best debating team!

### OXFORD INNOVATION & ENTREPRENEURSHIP

Oxford University has produced some of the greatest entrepreneurs of our time. Now it's your turn to come up with an exciting new product! This project is based on the popular British TV show, Dragon's Den, where entrepreneurs try to win money from investors. In this project, you will work in small teams to come up with a new product or service that will help the lives of Oxford University students.



*I had never competed in a debate before  
- let alone a Cambridge Union-style  
debate! It was a challenge I was ready  
for.*

**Aurora**

Renmin University of China  
Winter 2019



## ENTERPRISE VISIT

As part of our programme, we offer the opportunity to visit several British Enterprises. This experience helps students understand how business works in the UK and how it may differ to their home country.

Below are some examples of previous visits...

### **MINI COOPER FACTORY**

This factory outside Oxford is where all Mini Cooper cars are manufactured. Take a tour of the factory floor and understand the detailed process of crafting these cars.

### **CAMBRIDGE SACHEL COMPANY**

Cambridge is home to the world-famous Cambridge Satchel Company. You will hear, in its flagship Cambridge store, how the company has grown to worldwide fame in less than two decades.



*I had never played British Rounders  
before. It's like baseball!  
It was a really fun experience.*

**Jessica**

Summer 2023





## **EXCURSIONS**

### **LONDON**

From the top of the London Eye, students will be able to see a beautiful view of the city and its different areas. Also, there will be the opportunity to go to the British Museum, one of the largest museums in the world which boasts a wide and varied collection of artefacts from all over the globe. Finally, there will be time for students to walk through the Palace Gardens, see Buckingham Palace, and Big Ben.

### **STRATFORD-UPON-AVON**

Stratford-Upon-Avon is the birth town of the playwright, William Shakespeare. Students will be able to explore Shakespeare's house and see where he grew up. In the afternoon, there will be a short trip to Warwick Castle to see the inspiration for so many of Shakespeare's plays.

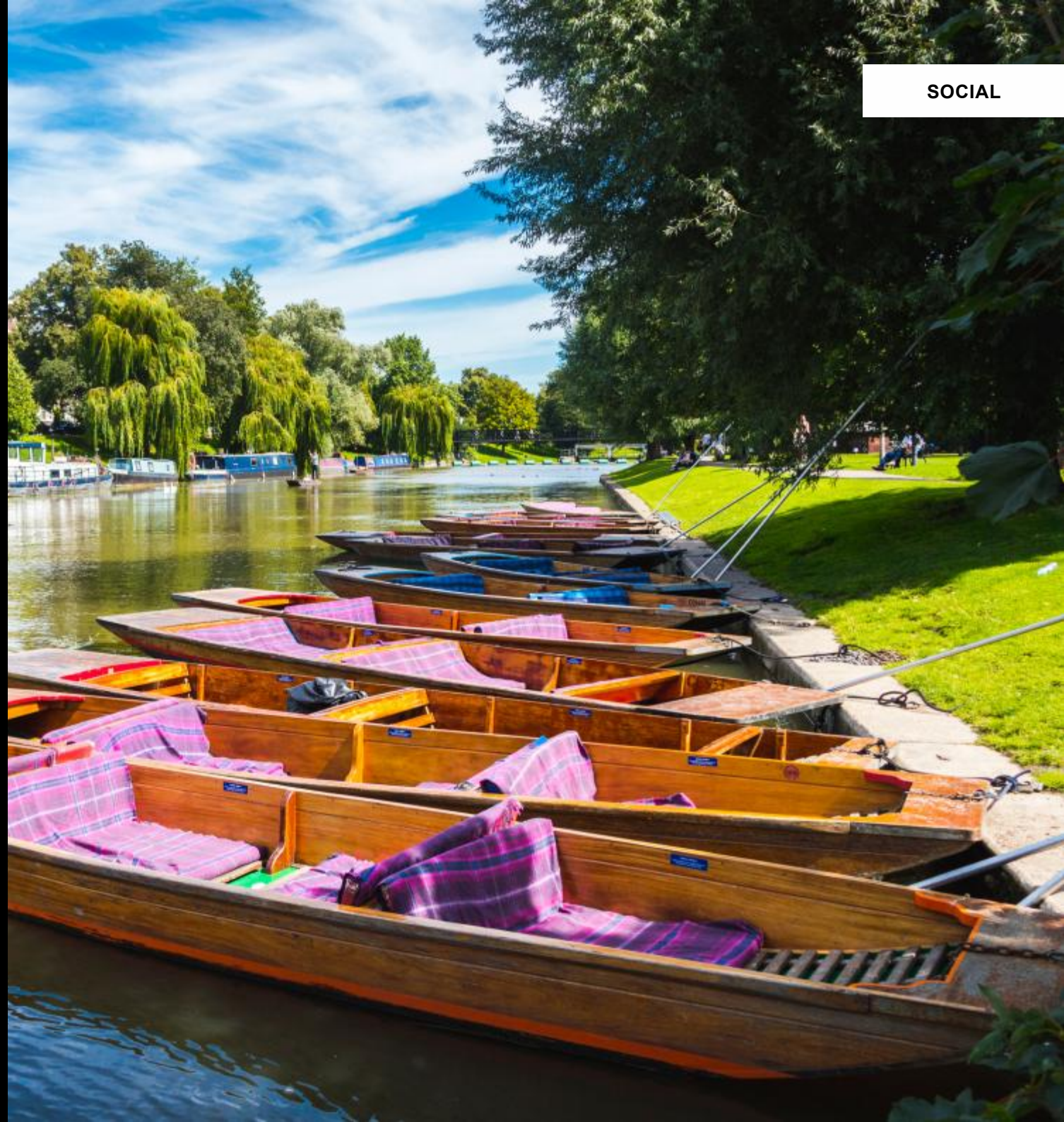
## FORMAL DINNER

Formal Hall is a tradition that only happens in Oxford and Cambridge University. This is a chance for you to dress in your most formal clothes (suits and dresses) and have a 3-course dinner in the dining room of an Oxford and Cambridge University college.

To prepare for the customs and traditions that will be followed, you will have a 'British Etiquette' lesson before the dinner.

## PUNTING

One of the most popular past times in Oxford among students is punting! Relax on the river as you float up and down the river Isis in the sunshine.





*Prepare yourself  
for an  
amazing journey.*

**Emilia**

Capital Normal University

August 2019

**Oxford  
& Cambridge**  
*Programmes*

For many years,  
we've welcomed students to Oxford and Cambridge...  
Why not you too?