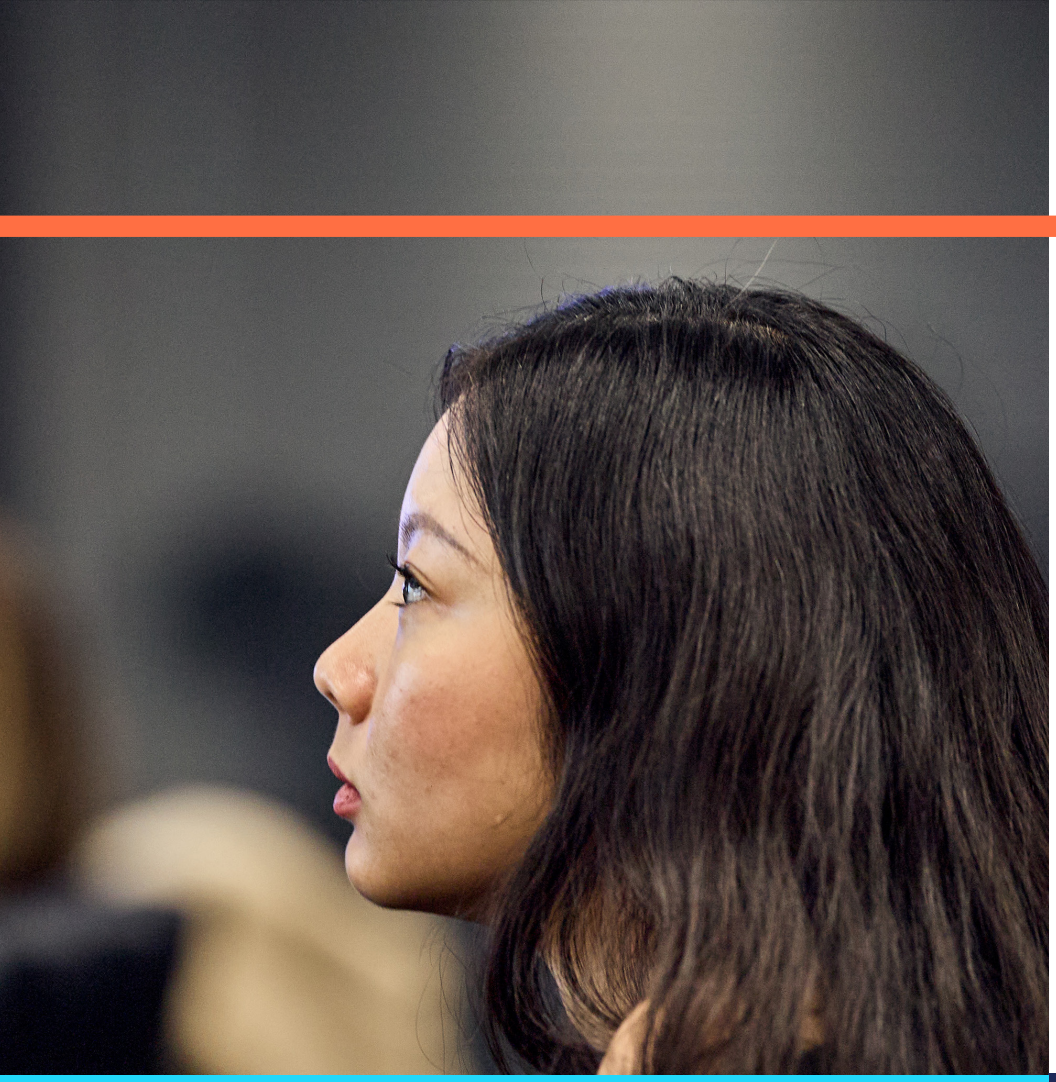
DEPARTMENT OF ECONOMICS | UNIVERSITY OF OXFORD | SUMMER SCHOOLS



OXFORD ADVANCED ECONOMICS SUMMER SCHOOL

ADVANCE YOUR ECONOMIC THINKING – ONE WEEK AT OXFORD

6 - 10 SEPTEMBER

ONLINE & IN-PERSON



Department of Economics,
University of Oxford,
Manor Road Building,
Manor Road,
Oxford, OX1 3UQ

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www.economics.ox.ac.uk/
summer-schools

STUDY ECONOMICS AT OXFORD WHERE CENTURIES OF SCHOLARSHIP MEET CUTTING-EDGE RESEARCH. LEARN DIRECTLY FROM OXFORD FACULTY IN SMALL, TUTORIAL-STYLE CLASSES AND EXPERIENCE THE ACADEMIC AND CULTURAL LIFE OF ONE OF THE WORLD'S MOST HISTORIC UNIVERSITIES.



WELCOME FROM ACADEMIC DIRECTOR, PROFESSOR BANU DEMIR

At one of the world's most acclaimed universities, ranked No. 1 in the UK for Economics, you'll engage one-on-one with Oxford faculty, learn from world-leading experts, and connect with exceptional peers from across the globe, all while immersing yourself in the University's rich academic culture.

Our Summer School offers a distinctive approach to studying economics, modelled on the University's tutorial tradition and taught by leading scholars from the Department of Economics.

Designed for graduate students, early-career researchers, and professionals in policy or industry, the programme brings together eight in-depth courses into one immersive week of advanced training.

Throughout your time at Oxford, you'll become part of a vibrant intellectual community – engaging in lively discussions, collaborating with peers from diverse backgrounds, and discovering what makes this centuries-old institution a global centre for ideas and innovation.

Beyond the classroom, experience Oxford's unique charm – glide along the River Cherwell on a traditional punt, and dine in one of the University's historic colleges, surrounded by new friends and future collaborators.

Join us and become part of a tradition of learning that continues to shape leaders and thinkers around the world. Our faculty will challenge you to think deeply, debate ideas, and apply economic insight to the world's most pressing questions.

I look forward to welcoming you to Oxford this September!

Banu Demir,
Professor of Economics & Academic Director





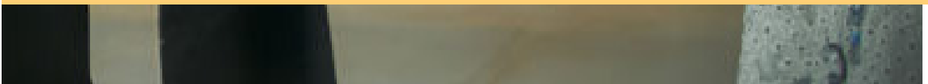
WHAT HAPPENS WHEN YOU STUDY ECONOMICS AT OXFORD?

Some programmes teach you *what* to think. At Oxford, you learn *how* to think.

Studying Economics here means joining a tradition that has shaped how the world understands growth, inequality, and decision-making.

The Department of Economics Summer School goes beyond theory, it transforms how you analyse, question, and apply ideas. Through Oxford's distinctive mix of rigour, debate, and discovery, you'll gain new tools to interpret data, evaluate policy, and understand complex global challenges.

Taught by world-leading faculty in small-group settings, this one-week intensive programme empowers you to think boldly, connect ideas, and approach the world's economic questions with fresh perspective and confidence.



WHAT TO EXPECT:

1 Expert-Led Learning
Experience what it means to learn as an Oxford student. Engage in group sessions led by world-renowned professors and researchers, where dynamic discussion, critical thinking, and practical insight take centre stage.

2 Flexible Courses
Shape your Oxford experience around your goals. Choose from eight morning and afternoon courses to create a programme tailored to your interests and experience. Lectures are complemented by interactive tutorials, enabling you to put theory into practice.

3 Application
Collaborate with peers to solve real-world economic challenges using data, theory, and evidence-based analysis. From sharpening your econometric techniques to exploring global macroeconomic trends, you'll gain the analytical tools to drive impact across research, policy, and business.

4 A Global, Engaged Cohort
Join a vibrant community of early-career economists, policy professionals, and students from across the globe. Exchange ideas, build lasting networks, and be inspired by diverse perspectives that enrich every conversation.

"IT WAS INSPIRING TO MEET SO MANY TALENTED PEOPLE AT OXFORD AND SHARE IDEAS IN SUCH A UNIQUE ENVIRONMENT."
– ELS BEKAERT, POSTDOCTORAL RESEARCHER

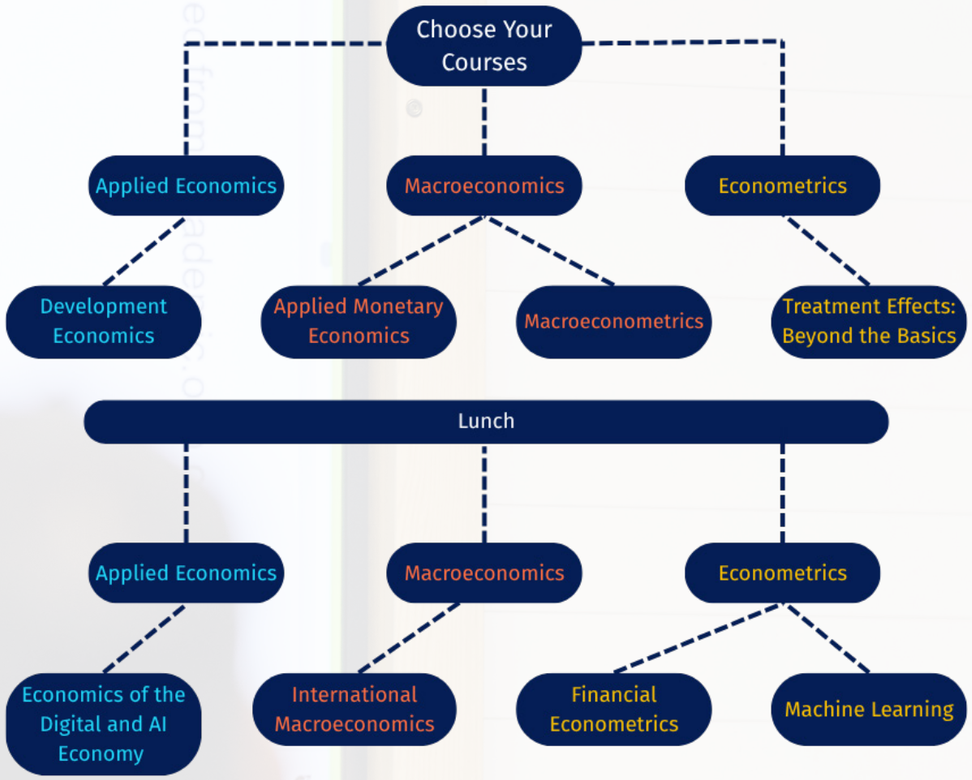


PROGRAMME STRUCTURE

1 WEEK • 8 COURSES

Our Summer School offers a flexible and immersive structure, allowing you to tailor your learning experience by choosing a morning and an afternoon course from eight options across Applied Economics, Macroeconomics, and Econometrics.

Every lecture is paired with hands-on tutorials and workshops, transforming new ideas into practice. Guided by Oxford faculty, you'll build the confidence and capability to tackle real-world challenges and lead with insight in academia, policy, or industry.



SCALE OF COMPLEXITY

To help you find the right academic fit, each course is rated for its mathematical and theoretical complexity.

Use the guide below to match your experience and goals to the most suitable options.

Course	Maths	Theory
Applied Monetary Economics	●●●○○	●●●●○
Macroeconometrics	●●●●○	●●●●○
Treatment Effects: Beyond the Basics	●●●●○	●●●●○
Development Economics	●●●○○	●●●●○
International Macroeconomics	●●●○○	●●●○○
Financial Econometrics	●●●○○	●●●●○
Machine Learning	●●●●○	●●●●○
Economics of the Digital and AI Economy	●●○○○	●●●○○

● = Level of Complexity | 1 (No background in economics needed) > 2 (First-year undergraduate-level economics) > 3 (Final-year undergraduate-level economics) > 4 (Master's in economics or equivalent) > 5 (PhD-level economics)

"THE TUTORS WERE VERY NICE AND HELPFUL, AND I COULD FEEL THAT EVERYONE TRULY WANTED US TO LEARN. THE SUMMER SCHOOL WAS VERY WELL ORGANISED, AND I REALLY APPRECIATED THE CHANCE TO DISCUSS IDEAS WITH PEOPLE FROM DIFFERENT BACKGROUNDS."
– MIA RAVBAR, PHD CANDIDATE

MORNING COURSES

APPLIED MONETARY ECONOMICS

Maths **Theory**

Gain a solid foundation in the critical concepts of applied monetary economics including a coverage of techniques essential for understanding economic dynamics and the effects of central bank policy decisions.

Software Requirement: MATLAB and Python

Who is this Course For?

Ideal for PhD and MPhil economics students, as well as professionals in central banks and international institutions engaged in research. Perfect for those aiming to understand the broader impacts of policy decisions on economic stability, this course equips participants with essential tools for analysing and contributing to monetary policy research and implementation.

Key topics include:

- The Monetary Transmission Mechanism
- Shocks, surprises and techniques to explore economic dynamics
- Lags and horizons in the MTM
- Central Bank Communication
- Machine learning and Natural Language Processing to assess communication

"LECTURES AND TUTORIALS WERE ENGAGING, INTERACTIVE, AND GROUNDED IN REAL-WORLD APPLICATION."

– SARA LINDHOLM, GRADUATE STUDENT

COURSE TUTORS:



Professor Michael McMahon

Michael is Professor of Economics at the University of Oxford and Senior Research Fellow at St Hugh's College. His research examines fiscal policy, business cycles, and the communication and decision-making of central banks. A former economist at the Bank of England, he is a member of the Irish Fiscal Advisory Council and a Research Fellow at the Centre for Economic Policy Research (CEPR). His work has been published in leading journals including the Quarterly Journal of Economics and the Review of Economic Studies.



Professor Silvia Miranda-Agrippino

Silvia is Professor of Economics at the University of Oxford and a Professorial Fellow at Nuffield College. Her research focuses on monetary policy, international macroeconomics, and empirical macroeconomic analysis. Before joining Oxford, she held senior research and advisory roles at the Federal Reserve Bank of New York and the Bank of England. She is a Research Fellow at the Centre for Economic Policy Research (CEPR) and serves as Associate Editor of the Journal of the European Economic Association and the Journal of Applied Econometrics.

MACROECONOMETRICS

Maths **Theory**

This course covers time-series econometric methods used in modern macroeconomics. It combines theoretical foundations with empirical applications and Julia-based computing classes. The main goals are to forecast macroeconomic variables and identify the causal effects of economic shocks and policy interventions.

Key topics include:

- VAR models, estimation and forecasting
- Stochastic trends and cointegration
- Identification of dynamic causal effects
- Nonlinearities, endogenous regime switching

Software Requirement: Julia

Who is this Course For?

Ideal for students and researchers seeking advanced training in time-series econometric methods and their applications in modern macroeconomics.

Perfect for those interested in macroeconomic forecasting and evaluating the effects of economic shocks and policy interventions, this course provides practical experience in applying econometric methods to macroeconomic data using Julia.

COURSE TUTOR:



Professor Sophocles Mavroeidis

Sophocles is Professor of Macroeconometrics at the University of Oxford and a Fellow of University College. His research focuses on econometric theory and empirical macroeconomics, particularly the identification of macroeconomic models and monetary policy analysis. A recipient of the Philip Leverhulme Prize in Economics, he serves as Associate Editor of several leading journals, including the Journal of Econometrics and Quantitative Economics. His research has been published in leading academic journals.



MORNING COURSES

TREATMENT EFFECTS: BEYOND THE BASICS

Maths ●●●●○ **Theory** ●●●●○



Introductory courses in causal inference rely on assumptions strong assumptions.

This course shows what can be learned when these assumptions are relaxed, how some of them can be tested, and how to better match the causal effects that we learn in a study to the policy question of interest.

Key topics include:

- Partial identification
- Testing instrumental-variables assumptions
- Policy-relevant treatment effects
- Spillovers from one participant's treatment to another's outcome

Who is this Course For?

Master's and doctoral students, academic researchers, and economists in government, central banks, and international organisations who are broadly familiar with the methods covered in Angrist and Pischke's *Mostly Harmless Econometrics*, particularly instrumental variables. Participants should have a working knowledge of R. Refresher materials are available at treatment-effects.com/beyond.

Software Requirement: R (with the tidyverse), RStudio (recommended)

COURSE TUTOR:



Professor Francis DiTraglia

Frank is Associate Professor of Economics at the University of Oxford and a Fellow of Lady Margaret Hall. He is also a visiting researcher at the Federal Reserve Bank of Chicago. His research focuses on developing statistical methods to understand cause and effect, with particular interests in causal inference, instrumental variables and Bayesian inference. His applied work includes research on childhood lead exposure and pawn lending in Mexico City.

DEVELOPMENT ECONOMICS

Maths ●●●○○ **Theory** ●●●●○

This course explores the central ideas and evidence that economists have proposed to understand global poverty and sustainable development. These are essential analytical tools to design effective solutions to some of the greatest social problems of our time.

Key topics include:

- Poverty and social protection
- Human capital and labour markets
- Firms and productivity
- The environment

Who is this Course For?

This course is designed for master's and doctoral students in economics, as well as professionals in government, international organisations, and NGOs involved in research and global policymaking. Participants will gain a deeper understanding of the challenges faced by workers and firms in low- and middle-income economies and how these obstacles shape persistent poverty and environmental degradation. The course also equips participants with the tools to design effective responses to these challenges.

COURSE TUTOR:



Professor Stefano Caria

Stefano is Professor of Economics at the University of Oxford and a Fellow of Jesus College. His research focuses on labour markets in low- and middle-income countries, exploring how to make them more efficient and equitable. He combines experimental and structural approaches to study topics such as job search frictions, labour market policy, and the intersection of employment and climate change. Stefano is Associate Editor at Econometrica, Co-Chair of the Labour Sector at J-PAL, and Lead Academic for the Ethiopia programme of the International Growth Centre.

"I WAS A LITTLE APPREHENSIVE BEFORE I CAME, BUT THESE TURNED OUT TO BE THE MOST ACCESSIBLE LECTURES I'VE EVER HAD IN ECONOMICS. THE SMALL CLASS SIZES MAKE IT EASY TO SPEAK UP AND ASK QUESTIONS, AND EVERYONE BRINGS A DIFFERENT BACKGROUND AND SET OF STRENGTHS."

– LAURA BELL, BANK OF ENGLAND

AFTERNOON COURSES

INTERNATIONAL MACROECONOMICS

Maths **Theory**

Understand how economies connect across borders. Build a solid grounding in international macroeconomics, then learn to construct and solve quantitative open-economy models. You'll also explore how capital flows, exchange rates, business cycles and sovereign default shape global economic dynamics and crises.

Key topics include:
- Capital Flows and Exchange Rates
- Business Cycles, Booms and Busts around the World
- Crises and Sovereign Default in Emerging Market Economies

Software Requirement: MATLAB and Dynare

Who is this Course For?

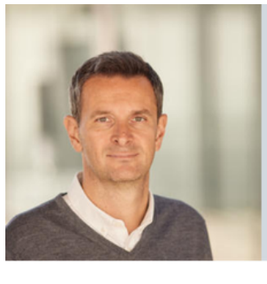
Ideal for PhD and MPhil economics students, and for professionals in central banks and international institutions engaged in research. Suited to anyone wanting to understand international linkages in booms, busts and crises, and the role of capital flows, exchange rates and sovereign default in the global economy.

COURSE TUTORS:



Professor Sergio de Ferra

Sergio is Associate Professor of Economics at the University of Oxford and Tutorial Fellow at Brasenose College. His research explores capital flows, sovereign debt, fiscal policy, and the dynamics of the euro area. He brings both academic rigour and real-world perspective to his teaching, drawing on previous roles at the London School of Economics and Stockholm University. At Oxford, he teaches Macroeconomics and International Macroeconomics, helping participants connect global economic theory with practical policy insight.



Professor Andrea Ferrero

Andrea Ferrero is Professor 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 at the Norges Bank between 2014 and 2016. His current research focuses on monetary policy and financial frictions in closed and open economy, and on the determinants of low real interest rates.

FINANCIAL ECONOMETRICS

Maths **Theory**

This course provides a theoretical foundation for, and practical implementation of modern econometric techniques used in the analysis of financial data.

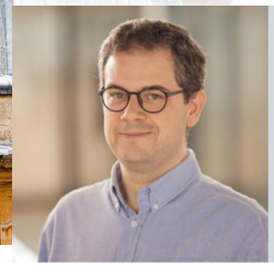
Key topics include:
- Foundations of econometric methodology (estimation and inference)
- Modelling financial volatility
- Value-at-risk and density forecasting
- Machine learning approaches

Software Requirement: Python

Who is this Course for?

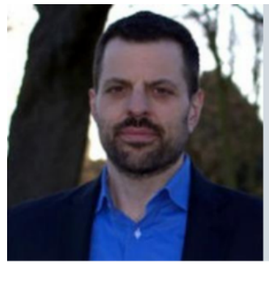
Ideal for graduate students in economics and finance, early career researchers, as well as professionals engaged in research. The course is well-suited for those seeking to understand both the econometric foundations and the methodological tools used in financial data analysis.

COURSE TUTORS:



Dr. Cavit Pakel

Cavit is a Senior Fellow of Economics at the University of Oxford. He is a theoretical econometrician whose work focuses on networks and nonlinear panel models with unobserved heterogeneity. A University of Oxford DPhil graduate, he brings deep technical expertise to his teaching and research. He has also held a Visiting Assistant Professorship at Princeton University, contributing to international collaborations at the forefront of econometric theory.



Professor Kevin Sheppard

Kevin is Associate Professor of Financial Economics at the University of Oxford and a Fellow of Keble College. His research focuses on volatility, uncertainty, and financial econometrics, particularly modelling conditional correlations and risk in financial markets. He has developed widely used econometric software and teaching resources, including toolboxes for MATLAB and Python that support research and education worldwide. Kevin's work bridges rigorous quantitative methods with practical applications in finance and risk management.

AFTERNOON COURSES

MACHINE LEARNING

Maths ●●●●○ **Theory** ●●●●○



This course offers a concise yet rigorous exploration of the theoretical foundations of machine learning, equipping you to critically evaluate and apply Machine Learning methods in economic research.

Key topics include:

- Critical evaluation of machine learning research for economic applications
- Integrating machine learning concepts into economic and econometric theory
- Engaging with ML literature and contributing economic perspectives

Software Requirement: Python and R

Who is this Course For?

This course is tailored for economists and researchers looking to incorporate machine learning into their economic analyses. It's ideal for those interested in critically applying advanced ML techniques to enhance economic research, developing a cross-disciplinary research agenda, and engaging with ML concepts to address complex economic questions.

COURSE TUTOR:



Professor Maximilian Kasy

Maximilian is Professor of Economics at the University of Oxford. His research spans econometrics, data science, and public economics, with a focus on the social impact of algorithmic decision-making, adaptive experimental design, and statistical decision theory. He also works on topics including causal inference, publication bias, and economic inequality. Maximilian's work bridges theory and application, exploring how data-driven methods can inform policy and promote fairness in modern economies.

ECONOMICS OF THE DIGITAL AND AI ECONOMY

Maths ●●○○○ **Theory** ●●●○○

This course explores the economic forces shaping the digital and AI-driven economy and the unique challenges they pose for business strategy, competition, and public policy. It examines how online platforms and artificial intelligence technologies leverage data, algorithms, and network effects to transform markets - and the implications for market power, innovation, and regulation.

Software Requirement: Wolfram Mathematica

Key topics include:

- Platform dynamics, network effects, and business model
- Artificial intelligence and its impact on market structure and firm strategy
- The economics of algorithms, search, and recommender systems
- Data usage, privacy, and regulatory challenges
- Competition and policy responses in the digital and AI age

Who is this Course For?

Ideal for professionals and researchers interested in the intersection of AI, data, and digital platforms. Perfect for those seeking to understand the strategic, economic, and policy implications of emerging technologies and their influence on global markets.

COURSE TUTORS:



Professor Alexei Parakhonyak

Alexei is Associate Professor of Economics at the University of Oxford and a Fellow of Lincoln College. His research focuses on industrial organisation and the economics of digital markets, exploring how platforms, networks, and information design shape competition and consumer behaviour. His work has been published in leading journals including the Journal of Economic Theory and Management Science. Alexei's recent research examines the dynamics of digital platforms, pricing, and the role of information in shaping modern market outcomes.



Professor Greg Taylor

Greg is Associate Professor of Digital Markets and Competition at the Oxford Internet Institute. His research focuses on the economics of online and technology markets, exploring how platforms, digital advertising, and consumer search behaviour shape competition and market outcomes. His work combines industrial organisation and information economics to study key issues in digital regulation, platform design, and the attention economy. Greg has also served as an advisor to governments and regulators on competition policy in the technology sector.

WHAT OUR PARTICIPANTS SAY

"THE PROGRAMME PROVIDED AN EXCELLENT OPPORTUNITY TO GAIN MORE UNDERSTANDING AND SEE METHODS AND ANALYTICAL TOOLS THAT COULD HELP US IMPROVE THE RESEARCH WE DO. I WAS ALSO SO HAPPY TO NETWORK WITH SO MANY TALENTED ECONOMISTS, WHOSE DIVERSE PERSPECTIVES AND BACKGROUNDS ADDED SO MUCH TO MY EXPERIENCE."

ENRIQUE SERRANO RODRIGUEZ, POLICY ANALYST

"THE LECTURES, TUTORIALS AND DISCUSSIONS CHALLENGED ASSUMPTIONS, INTRODUCED NEW ANALYTICAL PERSPECTIVES AND CREATED A VALUABLE BRIDGE BETWEEN ECONOMIC THEORY, EMPIRICAL RESEARCH AND THE DECISIONS ECONOMISTS FACE IN THE REAL WORLD."

FARIS AL HADIDI, ECONOMIST

"THE METHODOLOGIES COVERED ARE ESSENTIAL FOR MY RESEARCH AND THE EMPIRICAL WORK I HOPE TO UNDERTAKE IN MY THESIS. I ALSO HAD THE RARE PRIVILEGE OF PRESENTING MY PROPOSED THESIS AND RECEIVING INVALUABLE FEEDBACK ON HOW TO BETTER REFINE MY IDEAS."

GREAT NNAMANI, MPHIL ECONOMICS STUDENT

"AS AN UNDERGRADUATE, JUST SITTING IN THAT CLASSROOM, LEARNING ALONGSIDE SUCH AN INCREDIBLE GROUP OF PEOPLE FROM ALL OVER THE WORLD, AND GETTING TO NETWORK WITH THEM, WAS HONESTLY ONE OF THE GREATEST PRIVILEGES OF THE WHOLE EXPERIENCE."

VIHARA MARASINGHE, UNDERGRADUATE STUDENT

"AS A PHD SCHOLAR, IT WAS ESPECIALLY VALUABLE TO STEP BEYOND THE IMMEDIATE BOUNDARIES OF MY RESEARCH, ENCOUNTER DIFFERENT WAYS OF THINKING, AND RETURN TO MY OWN WORK WITH A WIDER PERSPECTIVE AND RENEWED CURIOSITY."

RITIKA KARAN, PHD SCHOLAR

"FOR A RESEARCHER LIKE ME, THIS WAS PURE GOLD, OFFERING SERIOUS INSPIRATION AND A MUCH CLEARER COMPASS FOR MY OWN WORK. I LEAVE OXFORD ENTIRELY ENERGISED - ARMED WITH A RENEWED PERSPECTIVE, CHALLENGING NEW RESEARCH QUESTIONS, AND A WONDERFUL NETWORK OF PEERS AND MENTORS."

CRISTIANA GIÃO, RESEARCHER

WELCOME TO OXFORD

Spend a week studying economics in a place shaped by centuries of ideas. Oxford's colleges, libraries and quiet courtyards offer a setting where thinking comes naturally — not because it's grand, but because it's built for learning. Between lectures and tutorials, you'll have space to reflect, explore the city, and experience the rhythms of academic life at one of the world's leading universities.



Oxford is a city alive with curiosity.
World-class museums, libraries and galleries sit alongside cafés, bookshops and quiet corners perfect for study or conversation. Whether you're punting on the Cherwell, browsing exhibits, or simply taking in the atmosphere, the city offers inspiration at every turn.









Studying economics at Oxford means joining a community that thinks carefully about how ideas take shape. Researchers across theory, data and policy create an environment where questions are taken seriously. Over the week, you'll be part of that atmosphere, learning from experts and developing a way of thinking that stays with you long after the course ends.

LIFE AT THE SUMMER SCHOOL

The Oxford Advanced Economics Summer School offers more than advanced teaching. It gives you space to engage with Oxford faculty, strengthen your research thinking, and be part of an international academic community.

Over the week, participants can take part in:

1. **Research Feedback & Q&A:**
   Discuss your ideas with Oxford faculty through Q&As and small-group conversations shaped by the tutorial style. Experience the chance to test arguments, clarify concepts, and build confidence in your approach.

2. **Building an Academic Network:**
   Connect with fellow participants, researchers, and faculty through shared sessions and discussions. These interactions help you form connections that support your academic or professional journey.

3. **Welcome Reception & College Formal Dinner:**
   Experience a traditional Oxford college evening, including a welcome reception and formal dinner with faculty and peers in a historic hall.

4. **Experiencing Oxford:**
   Explore Oxford's colleges, museums, riverside paths, and historic streets, an opportunity to experience the rhythms of academic life in one of the world's oldest university cities.

For Online Participants

Online students join the same live academic sessions, Q&A discussions, and feedback opportunities, ensuring a fully integrated learning experience wherever you are.



FEES & WHAT'S INCLUDED

- **Professionals: £2,975**
- **Students and Academics: £1,955**

Your fee includes enrolment in two academic courses. A formal dinner and welcome reception at an Oxford College. Daily lunch and refreshments. A certificate of completion.

Want to attend just one course? Email us at summerschools@economics.ox.ac.uk to explore your options!

HOW TO APPLY

1. **Apply on our website or scan the QR code**

   https://economics.web.ox.ac.uk/advancedeconomicssummerschool

2. **Select your courses: Choose your preferred morning and afternoon course**

3. **Secure your place: Submit the deposit — spaces are limited!**

Questions? Email summerschools@economics.ox.ac.uk

DEPARTMENT OF ECONOMICS · UNIVERSITY OF OXFORD · SUMMER SCHOOLS

DEPARTMENT OF ECONOMICS
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