Quantitative Economics	
Curriculum highlights	•**QuantitativeAnalysis**: Intensive training in advanced microeconomics, macroeconomics, econometrics, and data science—including machine learning and artificial intelligence—to equip students with state-of-the-art analytical tools. •**Capacity Building in Quantitative Tools**: Empowering students to develop robust quantitative methodologies grounded in econometric techniques, mathematical modeling, and statistical software, while preparing them to produce original scientific knowledge and publish in high-impact national and international journals. •**Fostering Critical and Analytical Thinking**: Encouraging students to tackle real-world challenges in macroeconomics, development, finance, and markets, with a focus on aligning academic research with socio-economic development needs. The aim is to generate evidence-based, quantitative solutions for policymakers. •**Experiential and Applied Learning**: Incorporation of simulation-based workshops, policy labs, and real-life case studies to develop practical skills and bridge theory with application. •**LeadershipDevelopment**: The program is designed to prepare graduates for leadership roles in academia, international organizations, government agencies, the private sector, and research institutions. It also fosters international collaboration in fields such as digital economics, big data, and predictive modeling
Admission information	**Admission Requirements** Admission to the PhD program in International Economicsrequires a strongacademic background and a demonstratedreadiness for advancedresearch. • **Academic Qualifications**: A Master'sdegree (or equivalent) in economics or a relatedfieldwithsubstantialeconomic content.
Core coures	• Advanced Microeconomics • Advanced Macroeconomics • Research Methodology and Ethics • Advanced Econometrics • Data Analysis Using R and Python
Advanced	• Economic Modeling and Simulation

topics	• Data Mining Using Statistical Software • Quantitative Decision-Making Methods • Contemporary Economic Issues • Advanced **Topics in Survey and Polling Methodology**
FullCurriculum	**Year1:Foundations, Methodologies, and Intensive Specializations (Academic Coursework)** **Semester 1** • Advanced Microeconomics I • Advanced Macroeconomics I • Advanced Econometrics • Economic Modeling and Simulation **Semester 2** • Data AnalysisUsing R & Python • Data Mining withStatistical Software • Quantitative Methods for Decision-Making • ContemporaryEconomic Issues • Advanced Topics in Survey Methodology **Year2: Preliminary Research, Article Preparation, and International Engagement** **Semesters 3 and 4:** • **SupervisedResearch**:Studentsbegindeveloping a research question and presentingtheirfindingsunderfaculty supervision, with an emphasis on producing a publishablepaper. • **Article Development**:Transformsupervisedresearchintoacademic articles for submission to peer-reviewedjournals. • **Participation in ResearchGroups**: Engage in focusedresearch workshops and working groups alignedwithstudents' areas of interest. • **ConferencePreparation**:Develop abstracts and presentations for participation in international economicsconferences and symposia. **Year3: Dissertation Completion, Final Publications, and Job MarketPreparation** **Semesters 5 and 6:** • **Dissertation Work**: Full dedication to conductingresearch and writing the PhD thesis, withcontinuous guidance from the supervisor and academiccommittee. • **Final Articles**:Review and finalizeresearch articles for publication in leadingeconomicjournals. • **ConferencePresentations**:Presentresearchpapers at major

	international academicconferences. • **Job MarketPaper**:Prepare a high-qualityresearchpaper for presentation to prospective employers in academia and policy institutions. • **CareerPreparation**:Participate in workshops on CV writing, cover letters, interview techniques, and communication skillstailored to researchers and policyprofessionals. • **ThesisSubmission and defense**