**Global Education and Training**

**University of Illinois at Urbana-Champaign**

**Undergraduate Summer School**

**July – August 2020 (1 week)**

**Econometric Research Methods and Writing**

***Introduction:***

Global Education and Training’s Econometric Research Methods and Writing Undergraduate Summer School at the University of Illinois at Urbana-Champaign offers students an excellent introduction to econometrics and the essential tools of economic research.

Econometrics is increasingly used to rigorously assess the impacts of public policy on business, the economy, and society. Thorough analysis and understanding of the impacts of policy help decision-makers in business and all areas of government improve the design of policy and programs, eliminate inefficient practices, and improve responses during times of emergency.

Students will learn applied econometric methods relevant in many areas of contemporary academic research, preparing them for graduate education and research. Students are expected to participate in live discussions and problem solving during each live class session. Courses are self-contained though it is assumed that the students have sufficient statistical and mathematics background to understand the research methods.

***Courses:***

**Econometric Research Methods: (10 hours)**

The goal of this course is to develop the basic tools necessary to understand and use modern econometric methods. The course will focus on how one goes about estimating and making inferences for causal effects by paying special attention to empirical cases dealing with policy-relevant issues. The course will feature discussion of theoretical aspects of various methods and examine how they are applied in the literature.

**Proposed Syllabus:**

* Linear Regression for Statistical Control
* Instrumental Variable Methods Analysis of Experiments
* Randomized Experiments
* Estimating Causal Effects
* Observational Studies
* Matching methods, Differences-in-differences, Synthetic control, and Instrumental Variables
* Regression Discontinuity Analysis

**Econometric Research Methods Instructor:**

*EunYi Chung, Assistant Professor, Department of Economics*

<https://economics.illinois.edu/profile/eunyi>

**Academic Writing and Research: (5 hours)**

The Intensive English Institute faculty will offer excellent instruction, tailored to meet the students’ language and academic needs. This course focuses on academic writing skills necessary to complete the highest level of academic research, which asks new questions, draws original conclusions, and creates new knowledge. To be successful in your research, you’ll need to complete more in-depth research through literature reviews and using a variety of information sources to compare several studies. The course will build comprehension and vocabulary required within a university academic program. By the end of the course, students will have a deeper understanding of how to develop academic practices at the university-level for researching and writing an original research paper.

**Proposed Syllabus:**

* Analyze a text for its subject, thesis, audience, purpose, and organization (STAPO).
* Demonstrate an understanding of written assignment tasks and show they can follow directions for a variety of prompts.
* Use formal, academic register and integrate word form and meaning accurately into sentence structure.
* Write with complexity, using a variety of sentence types.
* Paraphrase and write objective summaries of texts.
* Students will accurately use APA citation format for in-text and reference list citations.

**Academic Writing and Research Instructor:**

*The IEI full-time faculty are experienced professionals who are trained in ESL teaching methods. Our faculty have a Master’s degree in Teaching English as a Second Language, Linguistics, or a related field.* [*https://www.iei.illinois.edu/index.html*](https://www.iei.illinois.edu/index.html)

**Course Format:**

 Courses will be conducted through synchronous live and hybrid prerecorded videoconference classes. Students will complete independent coursework, in-class quizzes, and a final exam. Participation in live class sessions and group discussions is required for grade and program certificate. It is anticipated that videoconference classes will be conducted using Zoom, and using the University of Illinois' course management system.

**Technology Requirements:**

 Participants should have access to Wi-Fi and a device (computer, laptop, or tablet) suitable for participation in online videoconference sessions. Participants may connect to the class sessions from their own home or another location with Wi-Fi, such as a university office.

**Draft Weekly Schedule**

Monday and Friday

8:00 a.m. – 10:00 a.m. Econometrics Research Methods

 *EunYi Chung, Assistant Professor, Department of Economics*

10:00 a.m. – 11:00 a.m. Academic Writing

**Cost for a one-week online program:**

**Program fee:** $750 per person\*

 Program fee includes tuition for development and instruction of online courses; assessment (grading) of participant performance in courses; online Learning Management System and videoconference system license; and university technology support fees.

\*The minimum total participants is 50. Class enrollment will be set to a maximum of 100 students to optimize instructor-participant interactions.

*For questions or more information contact:*

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