ECONOMICS 172: Case Studies in Economic Development
SPRING 2019 SYLLABUS

Issues in African Economic Development
Prof. Edward Miguel, Department of Economics (emiguel@berkeley.edu)

Description: This course will examine leading issues in development economics, with a focus on Sub-Saharan Africa. This course will also explore the empirical methods used to rigorously assess the impact of international development and anti-poverty programs.

Prerequisites: At least one prior term of intermediate economics (i.e., Economics 100A/101A or 100B/101B, or equivalent), and some prior coursework in statistics or econometrics (i.e., Economics 140/141).

Course Logistics

Lectures: Tuesday and Thursday 2:00 to 3:30pm, Birge 50
Lectures will also be “screencast” by Berkeley Educational Technology Services and archived for future viewing online. Screencasting means that the presentation slides and lecturer audio are recorded. Lecture screencasts will be posted online with a three day delay. They will be posted to CalCentral on the Class Page for ECON 172, LEC 001. All students and GSIs will have access to this page via the My Academics tab. Recordings will also be available using the Webcasts tool in the class bCourses site.

Teaching Assistants / Graduate Student Instructors (GSIs):
Madeline Duhon (mduhon@berkeley.edu)
Section 102: Monday 4-5pm, Cory 285
Section 103: Monday 5-6pm, Cory 285
Section 106: Wednesday 10-11am, Evans 85

Dennis Egger (dennistegger@berkeley.edu)
Section 101: Monday 3-4pm, Cory 285
Section 104: Wednesday 8-9am, Cory 285
Section 105: Wednesday 9-10am, Cory 285

Office hours: Prof. Miguel’s Office hours are typically held on Tuesdays and Fridays. Please make an appointment online at https://bit.ly/2QqeCAy.

Enrollment: All enrollment questions should be sent to the Department of Economics Head GSI, Preston Mui, at headgsi@econ.berkeley.edu.
Course Grading

Grading: The course grade will be based on four components:

1. Three individual take-home assignments, each worth 10 percent (30 percent).
   The problem sets are designed to teach students how to apply econometric methods using real data. They require the use of open-source R statistical software, which is commonly used in economics. We recommend that students install R on their computer. Please download or update the latest version of R [here] and RStudio [here]. For reproducibility, we will also provide a cloud computing environment with RStudio installed (Jupyter Hub), so students can work on their homework from any web browser. The GSI’s, Dennis and Madeline, will help students gain familiarity with R during discussion sections. They will also introduce the dynamic document format (available within RStudio), which allows students to combine the narrative components of the assignment with their statistical code and its output into one final document, to be submitted as a PDF.
   -- Problem Set 1 handed out 2/14, due 2/21
   -- Problem Set 2 handed out 2/28, due 3/7
   -- Problem Set 3 handed out 4/18, due 4/25

2. Midterm examination (25 percent)
   -- The exam will take place in class on Tuesday March 19\textsuperscript{th}, and will cover Lectures 1 to 15.

3. Final Examination (35 percent)
   -- The final will take place on Monday May 13\textsuperscript{th}, from 11:30am to 2:30pm. It will be cumulative, covering Lectures 1 to 27.

4. Class participation and attendance (10 percent)
   -- Remarks and questions in both lecture and section will contribute 5 percent to the grade.
   -- Lecture attendance and participation will also be evaluated using “clickers”, and will contribute a further 5 percent. Every student is expected to obtain an “iClicker” from the Cal Bookstore [https://www.ets.berkeley.edu/services-facilities/clickers]. Students should bring their clicker to each lecture, and I will use them for polling the class and to assign both class attendance and participation credit. For each student, the four lectures with the lowest clicker “score” will be dropped. Clicker use is required starting Thursday January 31. (Section attendance will not be evaluated with Clickers but is highly encouraged.)

Late assignments: Problem sets turned in late will lose 3 points during the first 24 hours after the assignment is due, and 1 additional point for each subsequent 24 hours.

Grading policy: Grading disputes must be put in writing and given to the GSI in section within one week from the date the graded problem set or exam was returned to the class. Please be specific in describing why you think there was a grading error, and why you believe you deserve significantly more points. Once they do re-grade a problem set or exam, the GSI’s may choose to re-grade the entire assignment (not just the problem in question), which of course may result in a higher or lower overall score.
Course Readings

Required readings: All syllabus readings are on the bCourse page, other than those from the required books (below). Reading packets of photocopied articles can also be picked up at Copy Central on Bancroft Ave.


*Optional materials:
A free online source containing a detailed discussion of African history and societies:

A free online reference for basic econometrics using R:
Course Policies

Berkeley Honor Code: The student community at U.C. Berkeley has adopted the following Honor Code: "As a member of the U.C. Berkeley community, I act with honesty, integrity, and respect for others." The hope and expectation is that all students and course instructors will adhere to this code at all times.

Academic Honesty Policy: Cheating will be harshly punished. Any evidence of cheating will result in a score of zero (0) on that assignment. Cheating on the midterm or the final exam results in an “F” for the course. Cheating includes, but is not limited, to bringing written or electronic materials into an exam, using written or electronic materials during an exam, copying off another person’s exam or assignment, allowing someone to copy off of your exam or assignment, having someone take an exam or assignment for you, changing an exam answer after an exam is graded, and plagiarizing written or other materials. Incidences of cheating are reported to Center for Student Conduct, which administers additional punishment. See also http://sa.berkeley.edu/conduct/students/standards.

Fire Alarm Policy: Pulling of fire alarms is a crime, punishable by a fine and time in jail. In addition, anyone caught pulling the alarm during a lecture or exam for this course is subject to expulsion from the University, and will fail this course. If the alarm is pulled during an exam, the class will move outside and finish the exam in the allotted time; in this event, follow the instructions of the GSIs.

Special Accommodations: If you require disability-related accommodations for exams or lecture, if you have emergency medical information that you wish to share, or if you need special arrangements in case the building must be evacuated, please email or speak with your GSI as soon as possible. At least two (2) weeks before an exam, you must also obtain a Letter of Accommodation (LOA) from Disabled Students' Program (http://dsp.berkeley.edu, 260 César Chávez Center) which they send electronically to me and the GSIs. DSP's Proctoring Service requires notice of participants at least two weeks in advance of an exam. Accommodations are not offered retroactively.

Limits to Confidentiality: As University of California employees, all course instructors are Responsible Employees and we are required to report incidents of sexual violence, harassment or other conduct prohibited by university policy to the Title IX officer. We cannot keep reports confidential, but the Title IX officer will consider requests for confidentiality. There are confidential resources available, including the CARE Advocate Office (http://sa.berkeley.edu/dean/confidential-care-advocate).

Use of Electronic Devices: There is no prohibition on the use of electronic devices in this course. Some students may find them useful for note-taking or other purposes during lecture or section. However, you should be aware that there is growing research evidence indicating that average learning outcomes are significantly better in courses that ban electronic devices from lecture. Please make an informed decision about your own personal electronic device use during lecture and section.
COURSE SYLLABUS

Lectures 1-2: Patterns of Global and African economic development (1/22, 1/24)
Africa’s Turn? pp. 1-46.

Economic Gangsters, Chapter 1, pp. 1-21.


Lectures 3-4: Theories of economic growth (1/29, 1/31)
[Tools: Economic growth theory; Ordinary least squares (OLS) regression]


Mastering ‘Metrics, Chapter 2, pp. 47-97.

Lectures 5-9: Geography, health and development (2/5, 2/7, 2/12, 2/14, 2/19)
[Tools: Randomized controlled trials (RCT); externalities]

Economic Gangsters, chapter 8, pp. 186-206.

Mastering ‘Metrics, Chapter 1, pp. 1-46.

* Optional for those who want a more technical discussion:


Lectures 10-12: The economics of HIV/AIDS (2/21, 2/26, 2/28)
[Tools: Difference-in-differences (DD) analysis; expected utility maximization]


Mastering ‘Metrics, Chapter 5, pp. 178-208.
Lectures 13-15: Investing in human capital (3/5, 3/7, 3/12)
[Tools: Regression discontinuity (RD)]


Mastering 'Metrics, Chapter 4, pp. 147-177.

* Optional for those who want a more technical discussion:

Lectures 16-19: Climate and economic shocks in rural households (3/14, 3/21, 4/2, 4/4; Midterm in class 3/19)
[Tools: Field data collection; Instrumental variables (IV); spatial data]

Economic Gangsters, chapters 5-6, pp. 111-158.

Mastering 'Metrics, Chapter 3, pp. 98-146.

* Optional for those who want a more technical discussion:

Lectures 20-22: Corruption and public goods (4/9, 4/11, 4/16)
[Tools: Forensic data techniques]
Economic Gangsters, chapter 4, pp. 76-110.


[Tools: Assembling historical data]


**Lectures 26-27: Current Successes and Future Challenges (4/30, 5/2)**
[Tools: Pre-analysis plans]


*Africa’s Turn?, pp. 49-137*