

## **ECONOMICS 131: PUBLIC ECONOMICS** **Spring Term 2020**

### **Professor Emmanuel Saez**

Email: [saez@econ.berkeley.edu](mailto:saez@econ.berkeley.edu)

Office Hours: Mondays 9am-12pm in Evans 623

Lectures – Mondays and Wednesdays 5pm-6:30pm (Latimer 120)

<http://eml.berkeley.edu/~saez/course131/course131.html>

### **Graduate Student Instructors (GSIs):**

#### **Michael Love (First half)**

Email: [michael.love@berkeley.edu](mailto:michael.love@berkeley.edu)

<https://sites.google.com/view/michaellove>

#### **Arlen Guarin (Second half)**

Email: [aguariga@berkeley.edu](mailto:aguariga@berkeley.edu)

<https://sites.google.com/view/arlen Guarin>

Office hours: Monday: 8:30-10:30am in Evans 536

Tuesday: 11am-1pm in Evans 640

Sections: Monday: 1-2pm (Etcheverry 3119), 2-3pm (Evans 9), 3-4pm (Dwinelle 83)

Wednesday: 1-2pm (LeConte 385), 2-3pm (Hildebrand B56), 3-4pm (Hildebrand B51)

**No sections on Wed 1/22 (first day of class)**

### **Course Description**

This course focuses on the role of the government in the economy. The aim is to provide an understanding of the reasons for government intervention in the economy, analyzing the benefits of possible government policies, and the response of economic agents to the government's actions. The course covers tax policy and inequality, social insurance programs, public goods, environmental protection, and the interaction between different levels of government. Special emphasis is on current policy issues such as inequality and poverty, tax reform, or health care policy.

**Prerequisites:** Economics 100a or 101a. Students should be comfortable with multivariate calculus.

**Course Website:** All lecture slides, handouts, and announcements will be posted online at: <http://elsa.berkeley.edu/~saez/course131/course131.html>

Lecture notes might be slightly updated so it is best to print them only shortly before the lecture date.

All section notes and solutions will be uploaded to Arlen's and Michael's websites listed above.

**This course DOES NOT use B-space.**

### **Requirements**

1) Lectures – Mondays and Wednesdays 5pm-6:30pm (Latimer 120).

**NO CLASS on Wed, Feb 19.**

2) Readings –

Jonathan Gruber, Public Finance and Public Policy, 6th edition, Macmillan, 2019  
is **optional** textbook (the lectures follow loosely the Gruber book). Earlier editions of the textbook are totally fine.

The other readings discussed in the lecture notes can be found in the reference list for each lecture with web links to the pdf files

Lecture slides will be posted on the course website. These slides are not comprehensive and not self-explanatory. Note also that lectures do not always cover 100% of the material from the slides. Therefore attending the lectures is critical for learning and for success in the class.

Half of the credit for problem sets, mid-term, and final will be based on conceptual understanding of ideas taught in lectures. Half of the credit will be based on solving mathematical problems related to those covered in lectures and in sections.

Grading:

- 1) Exams: Midterm 30%, Wednesday, March 11, 5:10pm-6:30pm in class (one extra room will be reserved for students in Sections 104, 105, 106)  
Final 50%, Friday, May 15, 3-6pm.  
Both midterm and final will be closed-notes (class notes, books, electronic devices or calculators are NOT allowed). Paper and pen only.  
Final will be cumulative and based on the full material covered in class, including material tested in the mid-term.
- 2) Problem sets: 3 problem sets 20% due on **Wednesdays at 11:59pm February 26, April 1, April 22**.  
Group work is permitted, but each student must write up and turn in his/her own solutions. All problem sets will be due on specific Wednesdays, and all problem sets must be submitted online through Gradescope by the designated time (no exceptions for late problem sets as solutions will be posted at the due time).

To facilitate grading, problem sets, midterm, and final exam assignments will have space in between questions where you can fill in your answers. No need to bring bluebooks for the midterm or final exam.

Academic Honesty Policy:

In fairness to students who put in an honest effort, cheaters will be harshly treated. Any evidence of cheating will result in a score of zero (0) on that assignment. Cheating on a 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. Incidences of cheating are reported to Center for Student Conduct, which administers additional punishment. See also <http://sa.berkeley.edu/conduct/students/standards>

Re-grading:

Midterm re-grade requests must concern an issue that is worth at least 3 points. For problem sets, re-grade requests must be accompanied by a one-page explanation for why you think you deserve a re-grade. Re-grade requests must be received within one week of the assignment/exam being returned to you. Note that any re-grade request will result in the entire assignment or test being re-graded, with the possibility of an upward or downward adjustment to your assigned grade.

## COURSE OUTLINE

The twenty-four 1.5-hour long lectures loosely follow the Gruber textbook. We first cover chapters 1-4 of Gruber. Second, we cover the topics in chapters 17-25 but in a substantially different format than the Gruber textbook. Finally, we cover chapters 5-16 of the Gruber textbook.

- 1) Introduction to public economics and review of tools – 3 Lectures  
Gruber, Chapter 1, 2, 4
- 2) Taxation and Redistribution I: Background and tax incidence – 4 Lectures  
Gruber, Chapters 17, 18, 19 [lectures do not follow Gruber textbook closely]
- 3) Taxation and Redistribution II: Labor Income Taxes and Transfers – 3 Lectures  
Gruber, Chapters 20, 21 [lectures do not follow Gruber textbook closely]
- 4) Taxation and Redistribution III: Capital Income Taxation – 3 Lectures  
Gruber, Chapters 22 & 23 & 24 & 25 [lectures do not follow Gruber textbook closely]
- 5) Role of the government I: Externalities – 1 Lecture  
Gruber, Chapters 5-6
- 6) Role of the government II: Public Goods – 4 Lectures.
  - A) Basic theory (Gruber Chapter 7)
  - B) Political Economy (Gruber Chapter 9)
  - C) Local public goods (Gruber Chapter 10)
  - E) Public Provision of Private Goods: Education (Gruber, Chapter 11)
- 7) Role of the government III: Social Insurance – 6 Lectures
  - A) Overview (Gruber, Chapter 12)
  - B) Health Insurance (Gruber, Chapters 15 & 16)
  - C) Social Security and Retirement (Gruber, Chapter 13)
  - D) Unemployment Insurance, Workers Compensation, Disability Insurance  
(Gruber, Chapter 14)