Trachtenberg School of Public Policy and Public Administration
PPPA 6014.O11 & 6014.10 – Microeconomics for Public Policy II
Fall 2019
(UPDATED 12/3)

Professor and Information:
Anil Nathan (anathan@gwu.edu, 202-994-0982)
Class Times and Location:
PPPA 6014.O11: Wednesday 3:30pm-5:20pm, 1776 G. St. (Room C-110)
PPPA 6014.10: Thursday 6:10pm-8:00pm, Gelman Library (Room 609)
Office: Media and Public Affairs 601L
Office Hours (subject to change): TBA (See Blackboard)

Graduate Assistants:
Musirah Farrukh (musirah@gwmail.gwu.edu)
Office hours: TBA after September 10th (See Blackboard)

Expected minimum time requirements: In accordance with GW policy, this three-credit course is expected to require a minimum 112.5 hours of work (average of 7.5 hours per week over the 15-week semester). Class sessions are 110 minutes per week. Most of the time will be required for the extensive assigned reading, work on problem sets, preparation for and taking the midterm and the final exam, and the preparation of the final paper. The specified minimum of 112.5 hours is the standard level for three-credit courses but most students find this course harder than average and should expect to spend the necessary additional time to master the material and prepare a high-quality paper.
Prerequisites: PPPA 6007
or a comparable course.

Course Content and Goals: PPPA 6014 is intended to develop the ability to use economic analysis to analyze and evaluate the effects of public policy and focuses on using microeconomic tools and models. This will be done in 2 parts.

1. Through learning and analyzing models

2. Through reading of articles
However, as you can see from the cartoon above, trying to quantify a social science such as economics can be a risky endeavor. You will see that there can be many contradictions. You will learn to identify and try to explain these contradictions with (often competing) models. Unlike PPPA 6007 (the prerequisite to this course), you will not be doing as much calculation. While good for intuition, the calculations you performed in PPPA 6007 are not the methods used by economists in the real world, where much more complex mathematics (i.e. calculus, etc) is needed. Instead, you will learn to broadly explain or predict the results of policy using the intuition of these models. Mathematics will be used, but answers will often be abstract. However, the skill of broadly explaining policy results or predictions using economic models will be very useful to you in future analytical endeavors (and to avoid being hoodwinked by economists)!

**Book, Notes, and Readings:** The main source of the notes (available a few weeks in advance of the class period) and the recommended textbook of the course is Thomas Nechbya’s *Microeconomics, An Intuitive Approach* (2nd edition). The notes are based on the book, so you do not necessarily need the textbook to review the material. However, the book does have additional practice questions that you may find useful. I provided 2 copies of the book to the D/E/I bookshare. You can use another intermediate text (including but not limited to Goolsbee et al’s *Microeconomics* that is used in PPPA 6007) as a substitute as well. You will also be assigned readings from journal and popular press articles that will supplement the theory outlined in the textbook. These readings will be available on blackboard 1 week in advance.

**Class Meetings:** Classes will consist of first going over the main points of the relevant book readings and notes for the day (60-90 minutes). Please look at the notes in advance (Disclaimer: I do like to tinker with the notes up to the last minute, so if what is presented in class is not exactly I put on blackboard days before, do not worry. It will be very close to the same). Some of the notes are review from PPPA 6007, so we will not cover all of the notes in detail in class, but they are there for your reference outside of class. However, you are encouraged to ask questions on any of the material, whether we cover it in class or not, and
you are responsible for ultimately understanding all the material on the notes. The remainder of the time will be spent on practice questions, additional readings, class discussions, and simulations (i.e. games) related to the economic theories covered and how they relate to public policy.

**Reading Reactions:** For indicated external readings, there will be very short (1 paragraph reaction essays. You will need to briefly discuss the topics and conclusions/opinions of the readings along with your reaction to them. These are very informal, and really used as a tool to ensure that you read what is assigned so we can have good classroom discussions. If assigned a very technical economic piece, I will direct you on what is important to read. These will be submitted through Blackboard and due on the day of class. Note that there will sometimes be a 1 class lag between the topics presented in the notes and when the relevant readings are assigned so that you are exposed to the notes in class first before reading.

**Problem Sets:** There will be approximately 6 problem sets assigned (approximately 4 will be graded). While you have less problem sets than PPPA 6007, each problem set is longer. You are encouraged to work together, but you must submit your own work. Consider these assignments as a low-stakes way to assess your mastery of the material. We will go over how to do some of the questions in class, but some questions will have you combine some concepts discussed in class and on the notes. This is by design to test you (once again, in a low stakes way) to see if you can apply multiple concepts in a new situation. Please seek as much help as you need on the problem sets!

**Exams:** There will be a take-home midterm and a take-home final exam (cumulative). You will have about 1 week to work on each one. The due-date of the midterm will be in mid-October. The date of the final exam will be around 1 week after the last class.

**Policy Brief:** There will a policy brief in which you will develop and present an economic analysis of a policy issue chosen by you. This will be due near the end of the final exam period. This will involve the submission of an abstract early in the semester regarding your idea(s). Please see the document on Blackboard regarding this paper.

**Class Participation:** As Woody Allen says, 80% of life is showing up. The other 20% (for our purposes) is being a good class citizen and doing your best to add to class discussions. Attendance will be taken at classes. However, things of course come up, so absences with legitimate reasons (illness, family, work travel, etc) are accepted.

**Grading:** Problem Sets (15%)
Reading Reactions (5%)
Midterm Exam (22.5%)
The course weighted average will be calculated and letter grades assigned approximately through the following rules:

- **A**: Top 15-20% of the class; **A-**: Next 25-30% of the class; **B+**: Next 25-30% of the class; **B** and below: Bottom 15-20% of the class.

However, your grade will go up in your favor if your course weighted average falls in the following ranges.

- **A**: 93.00-100.00; **A-**: 90.00-92.99; **B+**: 87.00-89.99; **B**: 83.00-86.99; **B- and below**< 83.00

### Tentative Class Schedule and Readings

<table>
<thead>
<tr>
<th>Class</th>
<th>Date</th>
<th>Topic</th>
<th>Nechyba Book Chapters</th>
<th>Additional Readings</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>August 28th &amp; 29th</td>
<td>Introduction; Review of Budgets, Tastes, and Optimization</td>
<td>2,4-6 (Keywords: Tastes, Preferences, Indifference Curves, Budgets, Optimization)</td>
<td>None</td>
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<tr>
<td>2</td>
<td>September 4th &amp; 5th</td>
<td>Income and Substitution Effects; Grants and Transfers</td>
<td>7 (Keywords: Income and Substitution Effects)</td>
<td>TBA on Blackboard</td>
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<td>4</td>
<td>September 18th &amp; 19th</td>
<td>Intertemporal Consumption</td>
<td>3.2,3,8.3 (Keywords: Intertemporal Consumption, Interest Rates, Saving, Borrowing)</td>
<td>TBA on Blackboard</td>
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<tr>
<td>5</td>
<td>September 25th &amp; 26th</td>
<td>Consumer Surplus, Producer Surplus, and First Welfare Theorem</td>
<td>10,15 (Keywords: Welfare, Willingness to Pay, Consumer Surplus, Producer Surplus, First Welfare Theorem)</td>
<td>TBA on Blackboard</td>
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<tr>
<td>6</td>
<td>October 2nd &amp; 3rd</td>
<td>Surplus in Competitive Markets</td>
<td>18-20 (Keywords: Price Ceilings, Price Floors, Taxes, Subsidies, Tariffs, Quotas, Immigration, Outsourcing)</td>
<td>TBA on Blackboard</td>
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<tr>
<td>7</td>
<td>October 9th &amp; 10th</td>
<td>Externalities and Public Good Theory</td>
<td>21,27 (Keywords: Externalities, Pigouvian Taxes/Subsidies, Permits, Public Goods, Free-Riders, Preference Revelation)</td>
<td>TBA on Blackboard</td>
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<td>8</td>
<td>October 16th &amp; 17th</td>
<td>Externalities and Public Good Theory Contd.</td>
<td>21,27 (Keywords: Externalities, Pigouvian Taxes/Subsidies, Permits, Public Goods, Free-Riders, Preference Revelation)</td>
<td>TBA on Blackboard</td>
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9  October 23rd & 24th  Natural Monopolies  23.1, 23.3 (Keywords: Monopoly, Natural Monopolies, Regulation of Monopolies)  TBA on Blackboard

10  October 30th & 31st  Asymmetric Information  22 (Keywords: Asymmetric Information, Adverse Selection, Moral Hazard, Statistical vs. Preference Based Discrimination)  TBA on Blackboard

11  November 6th & 7th  Statistical Discrimination Game  TBA on Blackboard

12  November 13th & 14th  Government and Politics & Behavioral Economics  28 (Keywords: Arrow Impossibility Theorem, Condorcet Paradox, Chicago School, Virginia School)  TBA on Blackboard

13  November 20th & 21st  Behavioral Economics and Game Theory  29 (Keywords: Present Bias, Self-Control, Libertarianism Paternalism)  TBA on Blackboard

14  December 4th & 5th  Game Theory Continued  24 (Keywords: Nash Equilibrium, Simultaneous Games, Sequential Games, Complete vs Incomplete Information.)  TBA on Blackboard

**Tentative Assignment Due Dates PPPA 6014 Fall 2019**

**Problem Sets**

| Problem Set 1 | Tuesday, September 17th |
| Problem Set 2 | Thursday, October 3rd |
| Problem Set 4 | Friday, November 8th |
| Problem Set 5 | Friday, November 22nd |

*(Problem Sets 3 is for practice only just before the midterm)*

**Exams**

| Midterm | Friday, October 18th |
| Final | Saturday, December 14th |

**Policy Brief**

| Policy Brief Proposal/Abstract | Monday, October 7th |
| Policy Brief | Thursday, December 19th |

**UNIVERSITY AND TRACHTENBERG SCHOOL CLASS POLICIES**

Trachtenberg School Civility Statement

Higher education works best when it becomes a vigorous and lively marketplace of ideas in which all points of view are heard. Free expression in the classroom is an integral part of this process. At the same time, higher education works best when all of us approach the enterprise with empathy and respect for others, irrespective of their ideology, political views, or identity. We value civility because that is the kind of community we want, and we care for it because civility permits intellectual exploration and growth.

University policy on observance of religious holidays
In accordance with University policy, students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance. For details and policy, see: students.gwu.edu/accommodations-religious-holidays.

Academic integrity code

Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information. For details and complete code, see: studentconduct.gwu.edu/code-academic-integrity

Safety and security

In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building.

After evacuation, seek shelter at a predetermined rendezvous location.

Support for students outside the classroom Disability Support Services (DSS)
Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information see: disabilitysupport.gwu.edu/

Mental Health Services 202-994-5300

The University's Mental Health Services offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. For additional information see: counselingcenter.gwu.edu/

Additional Trachtenberg School Policies

1. Incompletes: A student must consult with the instructor to obtain a grade of I (incomplete) no later than the last day of classes in a semester. At that time, the student and instructor will both sign the CCAS contract for incompletes and submit a copy to the School Director.
Please consult the TSPPPA Student Handbook or visit http://www.gwu.edu/~ccas/faculty/files/Incomplete_poli0.pdf for the complete CCAS policy on incompletes.

2. Submission of Written Work Products Outside of the Classroom: It is the responsibility of the student to ensure that an instructor receives each written assignment. Students can submit written work electronically only with the express permission of the instructor.

3. Submission of Written Work Products after Due Date: Policy on Late Work: All work must be turned in by the assigned due date in order to receive full credit for that assignment, unless an exception is expressly made by the instructor.

4. Academic Honesty: All examinations, papers, and other graded work products and assignments are to be completed in conformance with the George Washington University Code of Academic Integrity. (see http://www.gwu.edu/~ntegrity/code.html)

Note especially the definition of plagiarism: “intentionally representing the words, ideas, or sequence of ideas of another as one’s own in any academic exercise; failure to attribute any of the following: quotations, paraphrases, or borrowed information.”

5. Changing Grades After Completion of Course: No changes can be made in grades after the conclusion of the semester, other than in cases of clerical error.

6. The Syllabus: This syllabus is a guide to the course for the student. Sound educational practice requires flexibility and the instructor may therefore, at her/his discretion, revise content and requirements during the semester.

Additional Information

At a recent meeting of the GW Faculty Senate, President Thomas LeBlanc remarked that on the GWU campus, it is graduate students moreso than undergraduates who encounter the issues with food security and even homelessness. With that in mind, the following GWU resources are listed below for your reference.

Any student who faces challenges affording groceries or accessing sufficient food to eat everyday, who lacks a safe and stable place to live, and believes this may affect their performance in class is encouraged to contact the Dean of Student Affairs for support.
Furthermore, please contact your Professor if you feel comfortable doing so. This will enable her/him to provide resources she/he may know about.

Other resources you may find helpful.

• *Food Pantry on Campus* - students.gwu.edu/store

• *Emergency Funding* - financialaid.gwu.edu/emergency-funding

• *Mental Health Counseling* - healthcenter.gwu.edu/mental-health