## GENERAL INFORMATION

**Instructor:** Dr. Timothy Hau  
**Email:** timhau@hku.hk  
**Office:** Room 905 K K Leung Building  
**Phone:** 2859 1060  
**Lecture:** Tuesday 3:30 - 4:20 p.m. and Friday 3:30 - 5:20 p.m. in KKLG103  
**Consultation times:** Tuesday 4:30 - 6:00 p.m., Friday 5:30 - 6:00 p.m. and by appointment  
**Personal website:** [https://www.fbe.hku.hk/staff/academic/detail/timothy-d-hau](https://www.fbe.hku.hk/staff/academic/detail/timothy-d-hau)

**Pre-requisites:** ECON1001 / ECON1210 Introduction to Economics I (Introductory Microeconomics) or equivalent

Students are presumed to have taken Intermediate-level Microeconomic Theory or Microeconomic Analysis. Those who have not taken intermediate microeconomics will find it difficult to follow the analytical components of the course (such as using indifference curve analysis of leisure-goods choice, Laffer curve, General Equilibrium and Welfare Economics in the Tools of Normative Analysis chapter, Multiple Taxes and the Theory of the Second Best in the Taxation and Efficiency chapter, and Ramsey inverse elasticity rule under the topic of Optimal Commodity Taxation). Students should have been exposed to Introductory Macroeconomics in addition to Introductory Microeconomics. Basic calculus is used in various places in the course but will not be emphasized in examinations. While calculus is not required for exam purposes, some mathematics background and the willingness to learn are needed to fully benefit from the course.


## COURSE DESCRIPTION

Study of the role of government in the economy using microeconomics. The course covers public expenditure analysis and methods of financing government expenditures. It explores the underlying theory of welfare economics as well as the economic effects of public policy such as public sector pricing, expenditure and tax policies.

As part of the writing component, you are required to submit a typewritten mini-paper (of no more than 2,000 words in Word) both in hard and soft copies in response to the annual budget speech delivered by the Financial Secretary. This year’s Budget Speech is expected to be delivered by Mr. Paul CHAN Mo-po, JP, Financial Secretary at 11 a.m. on Wednesday, February 27, 2019, during this term’s Week 6. You are to critically analyze certain aspects of the 2019-20 Budget of the HKSAR Government such as selected tax or expenditure item(s) by applying public microeconomic principles, developing economic intuition and reasoning, and learning effective writing. The Budget mini-paper is due in class on Friday, April 12, 2019, Week 11. A 1-hour term test is scheduled for Friday, March 22, 2019, during the first hour.

## COURSE OBJECTIVES

1. To learn the underpinnings of public sector economics using microeconomic theories, analytical and graphical tools;
2. To study public expenditure analysis and methods of financing government expenditures, the underlying theory of welfare economics as well as the economic effects of public policy such as public sector pricing, expenditure and tax policies.
3. To apply microeconomic principles to public economic issues and problems, develop one’s economic reasoning, hone one’s economic intuition and build one’s effective writing.

## COURSE LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>Course Learning Outcomes</th>
<th>Aligned with Faculty’s 5 Overall Goals*</th>
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<tbody>
<tr>
<td>CLO1</td>
<td>G1, G2</td>
</tr>
<tr>
<td>CLO2</td>
<td>G1, G2</td>
</tr>
<tr>
<td>CLO3</td>
<td>G1, G2, G3, G4 and G5</td>
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*Faculty of Business and Economics’ Overall Goals are: 1) Acquisition and internalization of knowledge of the program discipline; 2) Application and integration of knowledge; 3) Inculcating professionalism and leadership; 4) Developing global outlook; and 5) Mastering communication skills.*
### COURSE TEACHING AND LEARNING ACTIVITIES

<table>
<thead>
<tr>
<th>Course Teaching and Learning Activities</th>
<th>Expected contact hours</th>
<th>Study Load (% of study)</th>
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<tbody>
<tr>
<td>T&amp;L1. Lectures</td>
<td>39 hours</td>
<td>32.5%</td>
</tr>
<tr>
<td>T&amp;L2. Tutorials</td>
<td>12 hours</td>
<td>10.0%</td>
</tr>
<tr>
<td>T&amp;L3. Self study</td>
<td>69 hours</td>
<td>57.5%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>120 hours</strong></td>
<td><strong>100%</strong></td>
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### Assessment Methods

<table>
<thead>
<tr>
<th>Assessment Methods</th>
<th>Brief Description</th>
<th>Weight</th>
<th>Aligned Course Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1. Problem Set Exercises</td>
<td>Weekly problem set exercises help one learn how to apply microeconomic principles to public economic issues and problems, develop one’s economic reasoning and hone one’s economic intuition.</td>
<td>15%</td>
<td>CLO1, CLO2, CLO3</td>
</tr>
<tr>
<td>A2. Budget mini-paper</td>
<td>A mini-paper helps one learn how to apply microeconomic principles to HKSAR Government Budget issues, develop one’s economic reasoning, hone one’s economic intuition as well as build one’s effective writing. The paper should be typewritten, double-spaced with standard margins and format. The Word document should show a word count on the first page that does not exceed 2,000 words (including everything except graphs in jpg or pdf format merged into the Word document). The hard copy of the Budget mini-paper is due at the beginning of class on Friday, April 12, 2019, Week 11. (For each day of late submission ten percent shall be deducted. Plagiarism is a no-no.) The soft copy must be uploaded onto our Moodle course home page and checked via Turnitin (by checking &quot;Exclude Quotes&quot; and &quot;Exclude Bibliography&quot; exclusion options) on the due date.</td>
<td>10%</td>
<td>CLO1, CLO2, CLO3</td>
</tr>
<tr>
<td>A3. Term Test</td>
<td>1-hour Term Test shall be held on Friday, March 22, 2019, Week 8, during the first hour. No make-up test shall be held. Feedback shall be given in class.</td>
<td>27%</td>
<td>CLO1, CLO2, CLO3</td>
</tr>
<tr>
<td>A4. Final Exam</td>
<td>2-hour closed-book, comprehensive Final Examination</td>
<td>48%</td>
<td>CLO1, CLO2, CLO3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
<td></td>
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### STANDARDS FOR ASSESSMENT

<table>
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<tr>
<th>Course Grade Descriptors</th>
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<tbody>
<tr>
<td>A+, A, A-</td>
<td>Strong evidence of excellent ability to fulfill the intended course learning outcomes.</td>
</tr>
<tr>
<td>B+, B, B-</td>
<td>Strong evidence of very good ability to fulfill the intended course learning outcomes.</td>
</tr>
<tr>
<td>C+, C, C-</td>
<td>Evidence of good ability to fulfill the intended course learning outcomes.</td>
</tr>
<tr>
<td>D+, D</td>
<td>Evidence of basic familiarity with the subject.</td>
</tr>
<tr>
<td>F</td>
<td>Little evidence of basic familiarity with the subject.</td>
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### Assessment Rubrics for Each Assessment

<table>
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<tr>
<th>Standards</th>
<th>Assessment Rubrics for Problem Set Exercises, Budget mini-paper, Term Test &amp; Final Examination</th>
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<tbody>
<tr>
<td>Excellent A+, A, A-</td>
<td>Excellent ability to analyze and answer the question posed. Answer is exceptionally well organized and the principles, theories, derivations, results, real-world policy applications and/or examples put forth are all correct and relevant. Answer reflects an excellent grasp of public microeconomics and economic intuition.</td>
</tr>
<tr>
<td>Very Good B+, B-</td>
<td>Very good ability to analyze and answer the question posed. Answer is very well organized and the principles, theories, derivations, results, real-world policy applications and/or examples put forth are largely correct and relevant. Answer reflects a very good grasp of public microeconomics and economic intuition.</td>
</tr>
<tr>
<td>Good C+, C, C-</td>
<td>Good ability to analyze and answer the question posed. Answer is reasonably well organized and the principles, theories, derivations, results, real-world policy applications and/or examples put forth are partly correct and relevant. Answer reflects a good grasp of public microeconomics and economic intuition.</td>
</tr>
<tr>
<td>Adequate D+, D</td>
<td>Adequate ability to analyze and answer the question posed. Answer is disorganized and the principles, theories, derivations, results, real-world policy applications and/or examples put forth are mostly incorrect and irrelevant. Answer reflects a minimal grasp of public microeconomics and economic intuition.</td>
</tr>
<tr>
<td>Poor F</td>
<td>Poor ability to analyze and answer the question posed. Answer is very disorganized and the theories, derivations, results, real-world policy applications and/or examples put forth are largely incorrect and irrelevant. Answer reflects a poor grasp of public microeconomics and economic intuition.</td>
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REQUIRED/RECOMMENDED READINGS & ONLINE MATERIALS

TEXTBOOKS:


It contains the following links: Table of Contents, About the Authors, Book Preface, Sample Chapter, What's New, Feature Summary, Supplements, Chapter Summaries (Choose a chapter), Web Links, Glossary


COURSE CONTENT AND TENTATIVE TEACHING SCHEDULE


Part One: Introduction
1. Introduction
2. Tools of Positive Analysis
3. Tools of Normative Analysis

Part Two: Public Expenditure: Public Goods and Externalities
4. Public Goods
5. Externalities
   Hau (1998), "Congestion Pricing and Road Investment"
   Transport and Housing Bureau (2015), "Electronic Road Pricing Pilot Scheme in Central and its Adjacent Areas Public Engagement Document"
6. Political Economy
7. Education (new in 8th edition)
8. Cost-Benefit Analysis
   Layard and Glaister (1994), "Introduction"

Part Three: Public Expenditure: Social Insurance and Income Maintenance
9. The Health Care Market
10. Government and the Market for Health Care
11. Social Security
12. Income Redistribution - Conceptual Issues
13. Expenditure Programs for the Poor

Part Four: A Framework for Tax Analysis
14. Taxation and Income Distribution
15. Taxation and Efficiency
16. Efficient and Equitable Taxation
Part Five: The United States Revenue System (time permitting) As we focus on the HKSAR Budget, in Part V we cover those sections, figures and diagrams either related to public microeconomics or those issues applicable to Hong Kong

*HKSAR Government (2019), The Budget 2019-20, Speech to be delivered by the Financial Secretary, Mr. Paul CHAN Mo-po, moving the Second Reading of the Appropriation Bill 2019 at the Legislative Council on Wednesday, February 27, 2019 at 11 a.m.
*This year’s Consultation on 2019-20 Budget

Each year’s HKSAR budget, say, The Budget 2018-19, is archived at (using the same URL format): https://www.budget.gov.hk/2018/eng/speech.html (Last year’s HKSAR budget)

Last year’s Consultation on 2018-19 Budget

17. The Personal Income Tax
18. Personal Taxation and Behavior
19. The Corporation Tax
20. Deficit Finance
21. Fundamental Tax Reform: Taxes on Consumption and Wealth

Part Six: Multigovernment Public Finance (time permitting)

22. Public Finance in a Federal System

Articles (time permitting):
Mohring, Herbert (1993), "Maximizing, Measuring, and Not Double Counting Transportation-Improvement Benefits: A Primer on Closed- and Open-Economy Cost-Benefit Analysis", Transportation Research B, Vol. 27B, No. 6, December, pp. 413-424. (This is an update of materials covered in Herbert Mohring (1976), Transportation Economics, Chapters 3-4 and 8-9.)