BEM / PS 126 - Business and Public Policy

Instructor: George Georgiadis
Lecture Hours: Tuesday and Thursday, 14:30 - 16:00 (Location TBD)
Office Hours: Tuesday and Thursday, 16:00 - 17:00 (Baxter 104)
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Course Website: TBA
Readings: Lecture Notes and some other readings.
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Read this syllabus carefully. It is an informal contract between teacher and student, and lays out the plan for the entire term. If there are changes, I will post revised versions on the web and let you know they are there.

Overview

This course provides an overview of the economic theories that describe, explain, and predict the existence of firms, their boundaries, and their relationship to the market. Note that we will be focusing primarily on the “business” part of the course title. The course is loosely divided in three parts. The first part (weeks 1-3) introduces some foundations that will be useful for the topics that we will cover in the remainder of the course. In this part we address questions such as: Why do people work? How should they be paid in order to be motivated to be most productive? How can employers screen skillful employees from less skillful ones? We will begin by introducing an economic analysis of incentive contracts under moral hazard. We will also cover relational contracts, where formal incentive contracts cannot be written, so employer-employee relationship must rely on trust. Lastly, we will study career concerns models, where employers seek to learn the ability of their employees.

In the second part (weeks 4-7), we will focus on the following, fundamental question in economics: What constitutes a firm? What determines its boundaries (i.e., which transactions occur within the firm, and which are negotiated in the market)? How do firms differ from the market (i.e., when is it preferable to produce within the firm or outsource)? We will discuss four theories of the firm. First, the rent-seeking theory of the firm, which argues that integration (i.e., producing within the firm) is preferable when firms have to make relationship-specific investments. Second, the property-rights theory of the firm, which used the theory of incomplete contracts to provide a unified account of the
costs and benefits of integration, and consequently develop answers to the question “What is a firm, and what determines its boundaries?” Third, the incentive-system theory of the firm, which focuses on an incentive problem between a principal and an agent. Fourth, we will cover the adaptation theory of the firm, which asks whether integration or non-integration better facilitates “adaptive, sequential decision-making” in environments where uncertainty is resolved over time. Lastly, we will cover some empirical studies that test these theories.

In the third part (weeks 7-10), we will cover a range of topics pertinent to the theory of the firm. These will include topics in incomplete contracting, delegation, strategic information disclosure, cheap talk, organizational hierarchies, team theory, decision making in committees, corporate culture, and the economic theory of leadership.

Prerequisites

You are expected to have taken or be familiar with game theory (e.g., PS/Ec 172). Familiarity with convex optimization (e.g., Ec 181), regression analysis, and real analysis is also useful but not absolutely necessary.

Grades

Grades will be determined by three problem sets (15% each), class participation (5%), and a final exam (50%). To make your grades comparable with students at the peer schools you compete with for jobs and admission to graduate programs, I will use a fairly inflated curve with approximately 40% A’s and B’s, and 20% C’s.

Problem Sets

There will be three problem sets. Each will comprise of 3-6 questions that build upon the concepts and techniques taught in class. Problem sets may be submitted in groups of up to 3 students. The due dates are as follows:

- Problem Set #1: Tuesday, April 15 (Week 3)
- Problem Set #2: Tuesday, May 6 (Week 6)
- Problem Set #3: Tuesday, May 20 (Week 8)

Late homework will be reduced in grade by 50% for each day late and not accepted after two days. The only standard exception is a medical excuse approved by me at least 24 hours in advance (and certified in writing by a health care professional). You can try to email me for other extensions but I am generally very unsympathetic to granting an extension for a reason that was foreseeable in advance. (For example, if you are on a recruiting or science trip that you knew about at the beginning of the term, I won’t grant an extension.)
Final Exam

The final will be similar to the problem sets (albeit shorter), and it will cover everything discussed in class, in the readings and the course textbook.

Class Participation

Attending class is strongly recommended. To incentivize you to come to class and engage in the classroom discussion, (a small) part of your grade will depend on your class participation.

Readings (subject to change)

- Lecture Notes (They will be posted on the course website at the beginning of every week).