

Econ 328/Phil 368
Economics, Philosophy, and Method
Fall 2017

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Course Description

On average, American cars today are somewhat smaller than 40 years ago. Why? Because Americans are more interested in conserving natural resources (gasoline and crude oil) than before? Is it because the price of gasoline is higher now? Because of national laws requiring automakers to make more fuel-efficient cars? Because of competition from Japanese auto makers, who always have built smaller cars than U.S. automakers? Is it because more Americans drive trucks or SUV's now? Each of these reasons has been proposed as the explanation for smaller cars. Is any one of these "the correct explanation"? Are they all correct?

This course is not designed to analyze the automobile market but to ask "How can we distinguish good explanations of economic events from bad ones?" Answering this question is a difficult task and requires an interdisciplinary study of the philosophy of science, the philosophy of social science, and economics. As a result, this course will investigate both what philosophers have to say about explanation in the physical and social sciences as well as what economists themselves have said about the proper method of explanation for their own field.

Prerequisite

The course is intended for students of philosophy and for students of economics. As a prerequisite, class participants need to have already completed either two courses in philosophy or two courses in economics. First year students can enroll only if they have completed Econ 111 (Intro to Economics)

Course Objectives

There are three principal objectives for this course:

1. The first is to help you become familiar with the arguments within the philosophy of science and the philosophy of social science concerning the requirements for good scientific explanation. We will find that one of the most fundamental questions at stake here is whether the social sciences should use basically the same approach to explanation employed by the physical sciences or whether a different one is required due to the fact that it is human behavior and not the regularity of nature which is to be explained.
2. The second objective is to help you become familiar with the arguments within economics about the character of economic explanations. Here we shall see differences in the

philosophy of social science between different “schools” of economic thought and even within some of them.

3. The third objective is to assist you to learn how to approach and analyze texts that are written from a perspective quite different from your own. While all our readings will be in English, both the language and method of analysis may at times seem foreign to you. It is a critical part of a liberal arts education that students learn to read and understand texts and points of view quite different from one another.

Required Books

1. Hausman, Daniel, ed. *The Philosophy of Economics: An Anthology*, Cambridge: Cambridge University Press, Third Edition, 2008.
2. Winch, Peter, *The Idea of a Social Science and Its Relation to Philosophy*, London: Routledge and Kegan Paul, 1958.
3. A packet of readings, spiral bound, available in the Bookstore.

Preparations for In-Class Discussions

Social scientists who study the process of teaching and learning have long known that the key to good learning is an active learner. Sounds obvious, but it’s important to keep that in mind.

Because you will only learn well if you stay active as a learner, a primary method in our classroom will be discussion, sometimes with the whole group, sometimes in small groups of two or three. Researchers have found that students learn faster and retain their knowledge longer if they express what they are learning to someone else. The act of discussing our common readings, then, is an ideal method for this, since it not only leads you to express what you know about the texts but it also gives each student the opportunity to be questioned about the issues involved.

To improved our conversations, there will be four kinds of assignments related to our daily discussions:

1. Each day, each *student* in the class will need to hand in a one-paragraph (12 lines maximum), written response to “the question of the day,” a question given ahead of time by the instructor. These must be typed, double spaced, and they will be graded. Over the semester, such assignments will be worth approximately 18% of your final grade. The “question of the day” is intended both as a directly helpful assignment and as an indirectly helpful “gimmick.” It will be directly helpful because you will need to wrestle with one or more of the most important ideas in the reading in order to answer it. To some extent, the question of the day is a “gimmick” – in that it will force you to do the assigned reading before class. Research has shown that students who have done the reading ahead of time not only learn from their reading but, just as importantly, learn more in the classroom because of their better preparation.

Each question of the day will be worth 10 points. Because they are intended to improve your learning during the subsequent class, an automatic 3-point lateness penalty will be assessed for any question of the day not handed in at the start of the class. An additional 2-point penalty will be assessed if it is not handed by the start of the next class period.

2. Each day, *four particular persons* will be designated to help begin our discussion of the reading by taking a role and answering one of the following questions:
 - a. *Summarizer*: How would you summarize *in one sentence* the overall “message” of the reading?
 - b. *Detailer*: What are the (3 to 5?) most important things that the author is saying?
 - c. *Starter*: What is the most difficult idea in the reading (the one most needing clarification)?
 - d. *News Reporter*: Think about current events and disputes (in a daily newspaper, magazine, The Record, etc.) and identify an issue that entails a dispute based in the different views of the quality of some explanation.

The people assigned to do this that day will need to arrive five *minutes early* and write their results on the board before class starts. On the days when you are assigned one of these roles, type up your contribution on the bottom of your question of the day in addition to putting it on the board prior to class. During the semester, all students will rotate through each of these roles. Performance in these roles and *in the class discussion* will count for about 6% of your final grade. Such performance will be particularly influential for those whose final grades are “on the fence” between two grades when all other factors have been taken into consideration,

3. From time to time there will be a writing assignment *in class* that will then be collected and graded.

Debates and Position Papers

To sharpen your understanding of the issues addressed in this course, you will be responsible for both preparing a position paper on a disputed topic in economic science (or a related issue in public policy) and debating the issue in class with another student. The paper and the debate should make clear how differences in scientific explanations (or in subsequent recommendations for economic policy) can often be traced to differing methodological perspectives of divergent schools of economics. Since most of the course will be examining general theoretical statements about method, this concrete examination of an economic issue will be critical to understanding the practical import of philosophy in economics.

Students will be asked later in the course to express a preference about a number of possible topics. Then, through a process of negotiation, each student will be grouped with one other to work together to develop two separate position papers on the topic, with one student arguing for each side.

During the last two weeks of the term, these student teams will debate the issue orally in class, with the rest of the class acting as critics of both the form and the content of the presentations. Two classes prior to the day of your debate, you and your debate partner will each have to submit an 8-page position paper (typed and double spaced), summarizing the methodological and other principles supporting your position in the argument and answering the objections from the other side. Because the parties to the debate work together in preparation, there should be no surprises. Each student's grade for this joint project will be based on the instructor's evaluation of the debate, two position papers, each student's self-evaluation of participation in the group project, and on an evaluation of each student's participation by the other member of the team.

The debate and position paper will count for about 14% of your final grade. More details on this will be distributed later in the course.

Tests

There will be three tests during the semester, each worth about 18% of your final grade. There will not be a final examination.

How to Succeed in the Course

The following steps are the most effective ways to learn the materials in this course:

1. Read the assigned readings *twice* and take some action to personalize the material, either highlighting the book or developing your own set of reading notes or using any other method which aids you. But do not just read passively.
2. Do *not wait* until "the last minute" to read! Plan to finish reading early. It may be helpful to develop a list of questions that arise from reading the text in this manner.
3. *Think* about your statement of the day *long before* you write it. Don't write it at the last minute. When you write, plan on three or more electronic "drafts."
4. Take notes in class (and, if it is helpful to you, redraft them after class).
5. Ask questions in class when you don't understand something. Participate actively in discussions.
6. Optionally, work with a partner outside of class on a regular basis. All will benefit through learning more from this cooperation.

Attendance & Participation

You are expected to attend all class sessions. Many of the readings are difficult to understand and our discussions in class will often be crucial to your grasping the analysis in the reading. You may also be expected to attend additional events, for example, relevant lectures on one of the campuses.

You are expected

1. to be well prepared for each class,
2. to be ready to answer questions when called on, and
3. to initiate questions and comments in class.

Earning an “A” for your participation grade requires excellent performance in all three areas.

Evaluations

The primary goals of this course are listed on page one of this syllabus. At the same time, however, academic traditions (and rules!) require that your performance be evaluated. Grading will be based on the A-F scheme unless you request S-U grading by the deadline listed below. See CSB/SJU Catalog for rules governing S-U grading. Your final grade will be determined in *approximately* the following manner:

Questions of the day	25%	340 points
Class Participation	6%	80 points
Position Paper	14%	200 points
Three exams	<u>55%</u>	<u>780 points</u>
Total	100%	1400 points

Conversion of points earned by the end of the semester into letter grades will be as follows:

90% or above	A
85%	AB
80%	B
75%	BC
70%	C
65%	CD
60%	D
59% or below	F

There is no “curve” for the grading. Everyone can earn an “A” – or any other grade – depending on the points earned during the term.

Deadlines

1. September 22: Last day to withdraw from any class without a transcript entry.
2. November 15: Last day to withdraw from a semester-long course (with the grade of “W”). After that you cannot drop the course and the professor must give you the grade you earn in the course.
3. November 15: Last day to request S/U grading in this course.

Suggestions

You are encouraged to share your comments on the course with the instructor at any time during the semester. Please don’t hesitate to make recommendation.

Course Schedule-Econ 328/PHIL 368

Fall 2017

Read *all pages* of any chapter or section listed below *unless there are specific page numbers noted, then you are required to read only those* and are free to skip the other pages in that section or chapter. (A lower case "a" below indicates first quarter of page, "b" the second, etc.)

Introduction

- Syllabus and Introductory Discussion Mon, Aug 28
Introduction: What is Scientific explanation?
Daniel Hausman, "Introduction to Philosophy of Science," in Hausman, pp. 4d-17c, 31c-34 Wed, Aug 30

The Philosophy of Science

John Stuart Mill: *System of Logic: Ratiocinative and Inductive* (spiral)

- Day 1: Book II: Of Reasoning Fri, Sept 1
Ch 1: Induction 125b-126d
Ch II & III: inference, syllogism, induction and deduction 132-143c, 146c-148c-151c, 152d-154a
Day 2: Ch IV: deductive and experimental sciences 158-162a, 164b-167 Mon, Sept 4
Ch V: "Necessary" truths 168-170a, 172c-173. 188b-189a
Book III: Of Induction
Ch III: the problem of induction 223b-225c, 227d-228
Ch IV: the laws of nature 229-234a
Day 3: Ch V: the law of universal causation 235d-238b, 241, 244c-246b, 248d-251a Wed, Sept 6
(plus footnote on p. 250)
Ch VI: the composition of causes 266c-267d, 270b
Ch VIII: the first two of four methods of experimental inquiry: agreement and difference 278-283a
Day 4: Book III, of Induction (continued) Fri, Sept 8
Ch VIII: (continued): The methods of residue and concomitant variation 283a-287d, 291d
Ch X: plurality of causes and intermixture of effects 311-313c
Day 5: Book III of Induction (continued) Mon, Sept 11
Ch X: (continued) 315a-c, 318a-325b
Ch XI: Of the Deductive Method, pp. 325b-326a, 329d-330b, 331b-c
Ch XII: Of Explanation of Laws of Nature, pp. 332a, and 337
Ch XIV: the limits of explanation of laws of nature and scientific hypotheses 349b-d, 352c-353c
Ch XVI: empirical laws 366b-d, 368b-369c
Ch XXI: evidence for the law of universal causation 397d-399b, 400d-403d

Carl Hempel: *Aspects of Scientific Explanation* (spiral)

- Day 1: Deductive nomological explanation Wed, Sept 13
333-338c, 343d-346a, 347b-354a
Day 2: Laws, predictions and explanation 359a-375c Fri, Sept 15
Day 3: Statistical explanation 376c-393 Mon Sept 18
Pragmatic aspects of explanation 425c-433d

Karl Popper "The Reaction to Inductivism: Popper and Falsification"
from David Oldroyd, *The Arch of Knowledge* Wed, Sept 20

Thomas Kuhn, Imre Lakatos, and Paul Feyerabend: "Science as Dynamic Social System:
Kuhn, Lakatos, Feyerabend," 318-347c, from Oldroyd (spiral) Fri, Sept. 22

Roy Bhaskar: *A Realist Theory of Science* (spiral)
Day 1: Glossary and pp. 1-8a Mon, Sept 25
Day 2: pp. 8b-20 Wed, Sept. 27

Examination #1 **Fri, Sept 29**

The Philosophy of Social Science

John Stuart Mill, *On the Logic of the Moral Sciences*, Book V
Day 1: pp. 606-619a Mon, Oct 2
Day 2: pp. 619a-633b, 652-655a, & 656d-658 Wed, Oct 4

Carl Hempel Rationality and explanation-by-reasons, in *Aspects of Scientific Explanation*
Day 1: pp. 463b-474 Fri, Oct 6

Required Lecture: David Card, Stephen B. Humphrey Auditorium, 8 p.m. **Mon, Oct. 9**

Day 2: pp. 475-489 Mon, Oct 9

Michael Scriven, "The Covering Law Position: a Critique and an Alternate Analysis" (spiral) Wed, Oct 11

Peter Winch: *The Idea of a Social Science*
Day 1: pp. 23-33b, 45-62c, 66-75c Fri, Oct 13
Day 2: pp. 80a-94, 101c-103d, 107c-109a, 124d-128b & 131d-136 Wed, Oct 18

Douglas Porpora, "Who Is Responsible? Critical Realism, Market Harms & Collective
Responsibility (Spiral) Fri, Oct 20

Examination #2 **Mon, Oct 23**

Economic Methodology

John Stuart Mill, "On the Definition of Political Economy and the Methods of Investigation
Proper to It," in Hausman, pp. 41-57 Wed, Oct 25

Karl Marx "Ideology and method in political economy" from *Grundresse*, 119-123d,
125c-127b, 129-132a, 135d-140, in Hausman Fri, Oct 27
Marx, "The Materialist Conception of History" (excerpts from *German
Ideology, Poverty of Philosophy*, etc.), T. B. Botomore (Spiral)

Institutionalism:

Day 1: Thorstein Veblen, "The Limitations of Marginal Utility, pp. 129-142 in Hausman Mon, Oct 30

Day 2: William Dugger, "Methodological Differences between Institutional and Neoclassical Economics," pp. 336-344 in Hausman Wed, Nov 1

Day 3: Clarence E. Ayres, "The Co-ordinates of Institutionalism" and "The Nature and Significance of Institutionalism"(spiral) Fri, Nov 3

British Historical School, T. E. Cliffe Leslie, "On the Philosophical Method of Political Economy (1876)" Mon, Nov 6

The Move toward Positivism: Lionel Robbins, The Nature and Significance of Economic Science (1935), pp. 73-99 in Hausman Wed, Nov 8

Austrian Economics: Ludwig Lachmann, "Methodological Individualism and the Market Economy" (spiral) Fri, Nov 10

Milton Friedman, "The Methodology of Positive Economics," pp. 145-164 in Hausman Mon, Nov 13

Reactions to Friedman

Day 1: Herbert Simon, "Testability & Approximation" pp. 179-182 in Hausman Wed, Nov 15
Daniel M. Hausman, "Why Look Under the Hood," pp. 183-186 in Hausman

Research Day **Fri, Nov 17**

Day 2: Daniel M. Hausman and Michael S. McPherson, "The Philosophical Foundations of Mainstream Normative Economics:" pp. 226-248 in Hausman Mon, Nov 20

Julie A Nelson, "Feminism and Economics," pp. 454-471 in Hausman Mon, Nov 27

Donald McCloskey, "The Rhetoric of Economics, pp. 415-428 in Hausman Wed, Nov 29

Kevin Thomas, "Social Causality and Market Complicity" (Sprial) Fri, Dec 1

Examination #3 **Mon, Dec 4**

Presentation Days

Day 1 Wed, Dec 6
Day 2 Fri, Dec 8
Day 3 Mon, Dec 11