

	<p><b>School of Arts &amp; Science</b>  <b>SOCIAL SCIENCES DEPARTMENT</b></p> <p><b>Phil 215-001</b>  <b>Philosophy of Science</b>  <b>Winter 2011</b></p>
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## COURSE OUTLINE

The Approved Course Description is available on the web @ [\\_\\_\\_\\_\\_](#)

Ω Please note: this outline will be electronically stored for five (5) years only.  
It is strongly recommended students keep this outline for your records.

### 1. Instructor Information

(a)	Instructor:	Sandy Bannikoff		
(b)	Office Hours:			
(c)	Location:	Young 320		
(d)	Phone:	370-3508	Alternative Phone:	
(e)	Email:	bannikof@camosun.bc.ca		
(f)	Website:			

### 2. Intended Learning Outcomes

The focus is on major issues that occupy philosophers of science: science vs. pseudo-science; scientific progress; social influences on scientific discovery; and problems of ethical and religious value. Students will study the work of the leading philosophers of science of the 20<sup>th</sup> Century and publications of leading contemporary philosophers.

### 3. Required Materials

Phil 215 Course Pack: in Bookstore, Lansdowne Campus

### 4. Course Content and Schedule

**Caveat:** This schedule is subject to change at the instructor's discretion.

The lecture schedule will generally follow this pattern: on Thursdays, the lecture will introduce the paper that is assigned reading for the weekend; on Tuesdays, the lecture will focus on the content of the paper and assume that it has been **studied** by everyone. Each seminar group will spend one seminar discussion on each topic. The discussion will take place in the seminar that follows the second lecture on the topic. So typically both seminars will discuss the subject of Tuesday's lecture.

**Week One**

General Introduction

**Week Two**

Reading "The Fixation of Belief" by Charles Saunders Peirce

**Week Three**

Reading: "Scientific Inquiry: Invention and Test" by Carl Hempel

**Week Four**

Reading: "Survey of Some Fundamental Problems" by Karl Popper

**Week Five**Readings: "Introduction" by Ian Hacking, and "Postscript – 1969" in *The Structure of Scientific Revolutions* by Thomas Kuhn,**Week Seven**

Reading: "Why Did Oxygen Supplant Phlogiston?" by Alan Musgrave

**Week Eight**

Reading: "How to Defend Society Against Scientists" by Paul Feyerabend

**Week Nine**Reading: *In The Matter of Robert J. Oppenheimer*, a play by Heinar Kipphardt**Week Ten**

Reading: "Another Look: Relearning to Laugh" by Isabella Stengers

**Week Eleven**Reading: "Does *The Structure of Scientific Revolutions* Permit a Feminist Revolution in Science?" by Helen Logino**Week Twelve**

Reading "Philosophy of Mathematics" by Stewart Shapiro

**Week Thirteen**

Reading: "Born-Again Creationists" by Philip Kitcher

**Week Fourteen**

Reading: "Social Science Defended" by Ernst Nagel

**5. Basis of Student Assessment (Weighting)**

1. Mid-Term Exam .....50%
2. Final Exam.....50%

**6. Grading System                      Standard Grading System (GPA)**

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

## Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at [camosun.ca](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3<sup>rd</sup> course attempt or at the point of course completion.)</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

## 7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

### LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services or the College web site at [camosun.ca](http://camosun.ca).

### STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.