



UNIVERSITY OF  
CALGARY

FACULTY OF ARTS  
DEPARTMENT OF PHILOSOPHY

PHIL 367 Lec 01  
SCIENCE AND PHILOSOPHY  
Winter Term 2012

**Course Outline**

**Lectures:** Tuesday & Thursday 9:30-10:45, ST 126

**Instructor:** Marc Ereshefsky

**Phone:** 403-220-3162

**Office:** SS1232

**Email:** [ereshefs@ucalgary.ca](mailto:ereshefs@ucalgary.ca)

**Office Hours:** Tuesday and Thursday 14:00-15:00

**Required Text:** *Philosophy of Science: The Central Issues*. Martin Curd and J. A. Cover (eds.), 1998, W.W. Norton and Company

**Topics and Readings**

I. Science and Pseudoscience

1. "Science: Conjectures and Refutations" – Popper
2. "Science and Pseudoscience" – Lakatos
3. "Creation-Science Is Not Science" – Ruse  
"Commentary" –Laudan  
"Response to the Commentary" –Ruse

II. Rationality, Objectivity, and Values in Science

1. "The Nature and Necessity of Scientific Revolutions" –Kuhn
2. "Objectivity, Value Judgment, and Theory" – Kuhn
3. "Dissecting the Holist Picture of Scientific Change" –Laudan
4. "Values and Objectivity" –Longino
5. "Gender and the Biological Sciences" –Okruhlik

III. Empiricism and Scientific Realism

1. "The Ontological Status of Theoretical Entities" –Maxwell
2. "Arguments Concerning Scientific Realism" –van Fraassen
3. "Experimentation and Scientific Realism" –Hacking
4. "The Natural Ontological Attitude" –Fine

**Evaluation and Grading**

- Two in-class tests and one Registrar-scheduled final.
- The dates for tests their point values are the following.

February 14	Test #1	30
March 20	Test #2	30
TBA	Final	<u>40</u>
		100

- Final grades will be awarded as follows.

96-100 = A+	75-79 = B	55-59 = C-
90-95 = A	70-74 = B-	50-54 = D+
85-89 = A-	65-69 = C+	45-49 = D
80-84 = B+	60-64 = C	below 45 = F

## ***BlackBoard and Email***

Class information and handouts will be posted on BlackBoard. You will be sent class announcements through email, and the email account used will be the one you gave the University Registrar. So please check that account.

## **INTELLECTUAL HONESTY**

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. As a result, cheating or plagiarism on any assignment or examination is regarded as **an extremely serious academic offence**, the penalty for which may be an F on the assignment and possibly also an F in the course, academic probation, or requirement to withdraw. The University Calendar states that plagiarism exists when:

- *the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test;*
- *parts of the work are taken from another source without reference to the original author;*
- *the whole work (e.g., an essay) is copied from another source; and/or*
- *a student submits or presents work in one course which has also been submitted in another course (although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved.*

While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism occurs not only when direct quotations are taken from a source without specific acknowledgement, but also when original ideas or data from the source are not acknowledged. A bibliography is insufficient to establish which portions of the student's work are taken from external sources; footnotes or other recognized forms of citation must be used for this purpose.

## **ACADEMIC ACCOMMODATION**

It is the student's responsibility to request academic accommodation. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

## **FACULTY OF ARTS PROGRAM ADVISING & STUDENT INFORMATION RESOURCES**

- Have a question, but not sure where to start? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts. Drop in at SS110, phone 403-220-3580 or email at [artsads@ucalgary.ca](mailto:artsads@ucalgary.ca). You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.
- For program planning and advice, contact the Student Success Centre at 403-220-5881 or visit them in their new space on the 3<sup>rd</sup> Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them at the MacKimmie Library Block.
- Email Contact Addresses for Students Union Representatives for the Faculty of Arts:  
[arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca)   [arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca)  
[arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca)   [arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)