

**Philosophy 447 / Psychology 447****Seminar in Cognitive Science: Creativity and Innovation****Fall, 2011****Professor:** [Paul Thagard](#)**Office hours** (HH368): TTh 1-2, and by appointment.**Email:** pthagard@uwaterloo.ca. **Phone:** extension 33594.**Web page:** <http://cogsci.uwaterloo.ca/courses/phil447.2011.html>.**Time:** TTh, 10:00-11:20. HH 373**Textbook:** J. C. Kaufman & R. J. Sternberg, *The Cambridge Handbook of Creativity*, 2010.**Assignments:** Marks will be based on:

- 100 word commentaries due at the beginning of each class, weeks 2-10, 10%. Each is worth .5 point, with no penalty for missing 2. Discussions questions will be available by Monday afternoon. For the student presentations (weeks 11-12) other than your own, write a short commentary worth .5.
- 10-page essay, due in class Oct. 5, 30%.
- 15-page essay, due in my office Dec. 5, 60%, including proposal and class presentation. The project proposal is due Nov. 10, and presentations will be during weeks 11 and 12.

Description: This course is an interdisciplinary seminar, combining ideas from philosophy, psychology, neuroscience, and computer science. It's focus this year will be on the study of creativity and innovation, especially on the nature and plausibility of the explanations of them that are being developed in fields such as psychology, artificial intelligence and cognitive neuroscience.

Reading:

Week	Dates	Reading	Recommended
1	Sept.13-15	K&S 1	Wikipedia , Ward
2	Sept. 20-22	K&S 2, 3	Thagard
3	Sept. 27-29	K&S 5, 6	Gentner
4	Oct. 4-6	K&S 7, 8	Cope
5	Oct. 11-13	K&S 9, 11	Thagard & Findlay , Subramian
6	Oct.18-20	K&S 12, 13	Adam & Eve
7	Oct. 25-27	K&S 14, 15	Thagard 1980
8	Nov. 1-3	K&S 16, 17	Watson
9	Nov. 8-10	K&S 18, 19	Catmull
10	Nov. 15-17	K&S 20, 21	Keri
11	Nov. 22-24	Student reports	
12	Nov. 29-Dec. 1	Student reports	