## PSYCH 256 Introduction to Cognitive Science Course Outline and Course Breakdown

			Activities and		Weight
Week	Module	Readings	Assignments	End/Due Date	(%)
		Miller, George A (March, 2003). "The			
		Cognitive Revolution: a historical			
		perspective". Trends in Cognitive Science,			
	Module 01:	Vol. 7, No. 3, pp. 141-144.			
	Introduction to the	Thagard, Paul (2009). "Why Cognitive			
	Cognitive	Science Needs Philosophy and Vice Versa".			
1	Revolution	Topics in Cognitive Science 1, pp. 237-254.			
		Aristotle, "De Anima" from Reading in			
		Ancient Greek Philosophy: From Thales to			
		Aristotle (Third Edition), edited by S. Marc			
		Cohen, Patricia Curd, and C.D.C. Reeve.			
		Indianapolis: Hackett, pp. 809-831 (Bekker			
		pagination 402a-434a).			
		Descartes, René (2011). "Meditations on			
		First Philosophy, Second Meditation" from			
		Modern Philosophy (Sixth Edition), edited by			
		Forrest E. Baird. Upper Saddle River, NJ:			
		Prentice Hall, pp. 22-27.			
		Cohen, S. M., Curd, P., & Reeve, C. D. C.			
		(Eds.).			
	Module 02: The	(2016). Readings in Ancient Greek			
	Pre-History of	Philosophy: From Thales to Aristotle. pp.	Introduce	Friday, May 17,	
2	Cognitive Science	175-186.	Yourself	2019 at 4:30 PM	Ungraded
			Essay		
			Assignm		
			ent 1		
		Vol. 2, Cambridge University Press, pp.	Availabl		
		429-440.	e		
		, , , , , ,	Wednes		
		and Intelligence". Mind, Vol. 59, No. 236, pp.	day May		
		433-460.	22, 2019		
	Module 03: From	Searle, John (1980). "Minds, Brains, and	at 12:05		
3	Turing Machines to	Programs". The Behavioural and Brain	AM		
	Functionalism	Sciences 3, 417-424.			15%

		Dennett, Daniel (1998, originally published			
		in 1984). "Cognitive Wheels: The Frame			
		Problem of Al",			
		in Brainchildren: Essays on Designing Minds.			
		Cambridge: MIT Press, a Bradford Book, pp.			
		181-205.			
		Frege, Gottlob (1956, originally published in			
	Module 04: Logic	1918). "The Thought: A Logical Inquiry".			
4	and Cognition	Mind, Vol. 65, No. 259, pp. 289-311."			
		Chomsky, Noam (1993). "On the Nature,			
		Use, and Acquisition of Language". Readings			
		in Philosophy and Cognitive Science, Alvin I.			
		Goldman (ed). MIT Press, pp. 511-534.			
		Everett, Dan (2005). "Cultural Constraints on			
		Grammar and Cognition in Pirahã." Current			
		Anthropology, vol. 46, no. 4, pp. 621-646.			
	Module 05:	Sapir, Edward (1929). "The Status of	Essay	Friday June 7,	
	Cognition and	Linguistics as a Science". Language, vol. 5 iss.	Assignment 1	2019 at 11:55	
5	Linguistic Ability	4, pp. 207- 214.'	Due	PM	
		Fodor, Jerry (1995). "Concepts: A Potboiler".			
		Philosophical Issues, vol. 6, content, pp.			
		1-24.			
		Murphy, Gregory (2002). "Typicality and the			
		Classical View of Categories". The Big Book			
		of Concepts, A Bradford Book, MIT Press, pp.			
		11-40.			
		Prinz, Jesse (2002). "Desiderata on a Theory			
	Module 06:	of			
	Concepts, Part I:	Concepts". Furnishing the Mind: Concepts			
	The Classic View	and Their Perceptual Basis, A Bradford Book,			
6	and Definitions	MIT Press, pp. 1-23			
		Fodor, Jerry (1995). "Concepts: A Potboiler".			
		Philosophical Issues, vol. 6, content, pp.			
		1-24.			
		Rosch, Eleanor (1978). "Principles of			
		Categorization"			
		in Cognition and Categorization, edited by			
		•	Midterm		
		NJ: Lawrence Erlbaum, pp. 27-48).	Take-home		
	Module 07:	Smith, Edward and Douglas Medin (1999).	Examination		
	Concepts, Part II:	•	Available		
	Prototypes,	-	Wednesday		
	Exemplars and		June 19, 2019 at		
7	Beyond	Bradford Books, pp. 207-221.	12:05 AM		20%

	T	T	T	T	1
		Kosslyn, Stephen, Giorgio Ganis, and William			
		Thompson (2006). "Mental Images and			
		Mentasl Representations" from The Case for			
		Mental Imagery. New York: Oxford			
		University Press, pp. 3-23.	Midterm		
		*Pylyshyn, Zenon (2002). "Mental Imagery:	Take-home	Wednesday June	
	Module 08: Mental	In Search of a Theory," Behavioural and	Examination	26, 2019 at	
8	Imagery	·	Due	11:55 PM	
	0 /	Eliasmith, Chris (2007). "How to Build a			
		Brain: From Function to Implementation,"			
		Synthese 159, pp. 373- 388.			
		Fodor, Jerry (1997). "Connectionism and the			
		Problem of Systematicity: Why Smolensky's	Eccay		
	Madula OO, Falsa	1	-		
	Module 09: Fake	<u> </u>	Assignment 2		
	Brains:	i ·	Available		
		, , ,	Wednesday,		
	Artificial Neural	Networks Learn from Experience," Scientific	-		
9	Networks	American, Vol. 267 No. 3, pp. 144-151.	12:05 AM		30%
		Oatley, Keith, W. Gerrod Parrott, Craig			
		Smith, and Fraswer Watts (2011). "Cognition			
		and Emotion Over 25 Years," Cognition and			
		Emotion, 25 (8), pp. 1341-1348.			
		Damasio, Antonio (1994). "A Passion for			
		Reasoning" from Descartes' Error: Emotion,			
		Reason, and the Human Brain. New York:			
		Avon Books, pp. 245-267.			
		Prinz, Jesse (2006). "Is Emotion a Form of			
	Module 10:	Perception?" Canadian Journal of			
	Emotion and	Philosophy, vol. 36, supplement vol. 32, pp.			
10	Cognition	137-160.			
10	Cognition	Clark, Andy and David Chalmers (2010). "The			
		Extended Mind" in The Extended Mind,			
		1			
		edited by Richard Menary. MIT, A Bradford			
		Book, pp.27-41.			
		Adams, Fred and Kenneth Aizawa (2009).			
		"Why the mind is still in the head," in the			
		Cambridge Handbook of Situated Cognition,			
		edited by P. Robbins and M. Aydede.			
	Module 11:	Cambridge, MA: Cambridge University Press,			
11	Extended Minds	78–95.			
		do Bruin Loon and Long Kärtner (2012)			
		de Bruin, Leon, and Lena Kästner (2012).			
		"Dynamic Embodied Cognition."			
		Phenomenology and the Cognitive Sciences,			
		Vol. 11, Issue 4, pp. 541-563.			
		1	Essay	Wednesday, July	
		Social Phenomenon", in Robyn Bluhm, Anne	Assignment 2	24, 2019 at	
12	Situated Cognition	Jaap Jacobson & Heidi Lene Maibom (eds.),	Due	11:55 PM	

Final Examination			
	Palgrave-Macmillan, pp. 216-229.		
	Feminist Theory and Cognitive Science.		
	Neurofeminism: Issues at the Intersection of		

## Final Examination Arrangements and Schedule

Please carefully review the information about writing exams (https://uwaterloo.ca/extended-learning/learn-online/write-exams) for online courses, including dates, locations, how to make examination arrangements, writing with a proctor, and deadlines.

If you are taking any on-campus courses, you will automatically be scheduled to write your exam on campus. No action is required.

If you are taking only online courses, do one of the following:

- If your address in QUEST is within 100 km of an examination centre
  (https://uwaterloo.ca/extended-learning/learn-online/write-exams/exam-centres), you must
  choose an exam centre in Quest (https://uwaterloo.ca/quest/) by Sunday, May 19, 2019. This
  must be done each term.
- If your address in Quest is more than 100 km from an exam centre, you must arrange for a proctor. Please review the guidelines and deadlines for writing with a proctor (https://uwaterloo.ca/extended-learning/learn-online/write-exams/writing- proctor). This must be done each term.

Your online course exam schedule will be available in Quest approximately four weeks before your exam date(s). Instructions on how to find your schedule are posted on the Quest Help (https://uwaterloo.ca/quest/help/students/how-do-i/online-exam-schedule) page.

University of Waterloo Senate-approved academic regulations related to assignments, tests, and final exams (https://uwaterloo.ca/registrar/final-examinations/examination-regulations-and-related- matters) can be found on the Registrar's website.

## Official Grades and Course Access

Official Grades and Academic Standings are available through Quest (https://uwaterloo.ca/quest/) . Your access to this course will continue for the duration of the current term. You will not have access to this course once the next term begins.

## Grade Breakdown

Activities and Assignments	Weight (%)
Introduce Yourself	Ungraded
Essay Assignment 1 3 page essay (double-spaced)	15%

Midterm Take-home Examination 5 pages (double-spaced)	20%
Essay Assignment 2 5-6 page essay (double-spaced)	30%
Final Examination	35%