

Your grade will be determined by four factors:

Class Participation	30%	Includes attendance, engaging in class discussions as well as group activities, quizzes.
Homework	20%	There will be several throughout the semester, geared toward readings and group activities.
Paper	25%	Final research paper.
Test	25%	One short-answer format exam.

#	Date	Day	Description	Assignments
1	2-Sep	T	Course description/overview. What is Cognitive Science? Class exercise: Cognitive Science brainstorm, Analogies	Ch 1 HW1 by email
2	4-Sep	Th	Representations Class exercise: Breaking a representation	Ch 1 TBA
3	9-Sep	T	The Tri-level hypothesis Class exercise: Algorithm design	Ch 1 & Hillis TBA
4	11-Sep	Th	Artificial Intelligence, focus on algorithm, DARPA, robot soccer Class exercise: AI debate	Ch 10 AI paper
5	16-Sep	T	Artificial Intelligence II Class exercise: AI & Dualism vs. Monism, Free will vs. determinism debate	Ch 2 & 10 TBA
6	18-Sep	Th	Where's mind? Dualism, Determinism. Does it matter? Class exercise: AI and mind-body problem debate	Ch 2, 4, & 10 TBA
7	23-Sep	T	Mind and body wrap-up. Intentionality, anthropomorphism, Turing test Class exercise: Hungarian room, AOLiza	Ch 3, 4, & 10 TBA
8	25-Sep	Th	Scientific method, Psychophysics, Computational modeling: Reichardt, edge enhancement Class exercise: motion demo, edge enhancement (paper version), in class expt	Ch 6 TBA
9	30-Sep	T	Neuroscience: Localization/anatomy methods. Lessons from lesions/agnosia Class exercise: Drawing, a la Edwards	Ch 5 TBA
10	2-Oct	Th	Memory: Iconic, short, working and long-term, and Imagery Class exercise: Eye witness, mnemonics, iconic, Hanoi, mental rotation	Ch 7 TBA
11	7-Oct	T	Wisdom of crowds, emergent behavior, Problem solving Class exercise: Crowd problem solving	Ch 8 TBA
12	9-Oct	Th	Rationality, morality, ethics; Evolutionary psychology (animals, gender, genetics) Class exercise: Tests of rationality, morals	Ch 8 & Pinker TBA
13	14-Oct	T	Psycholinguistics I: acquisition, Genie, Whorf, Chomsky Class exercise: Chinese room or Problem of the referent	Ch 9 TBA
14	16-Oct	Th	Final Exam	

ACADEMIC DIFFICULTIES: Academic Support (on the third floor of McCormack) provides for students who are in need of advising and/or tutoring. UMB attempts to accommodate all students in accordance with Section 503 and 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Through the Ross Center for Disability Services various aids such as sign language interpreting, readers, testing accommodations, etc. are available to students. If you believe that you require such services, you should contact the Ross Center on the first floor of the McCormack Building (287-7430).

ACADEMIC HONESTY: It is assumed that each student will act in a professionally and honestly. Therefore, any student who engages in an act of Academic Dishonesty (plagiarism, cheating, etc.) will receive a failing grade for that assignment/test and in most cases a failing grade for the course. Please review the sections on Academic Standards, Cheating, and Plagiarism (pg. 351 - 352), sections II and IV, and V of the Code of Student Conduct (pg. 354 - 356) in the University Undergraduate Catalog 2003 - 2005. If you still have questions about Academic Honesty or expectations in this course see me.