Syllabus (incl. tests, assignments, grading), CSC191/291/21
Machines and Consciousness
(approx. lecture-by-lecture, with some slack)

1. Tue Feb. 2  Overview. Self-awareness (access consciousness) and phenomenal consciousness. Pinker, Could a computer ever be conscious? (Corry & Alicia)


6. Thu Feb. 18 Planning and decision making in robots. Notes by instructor

7. Tue Feb. 23 Continuation of above topics (spill-over)

8. Thu Feb. 25 A basic (self-aware) agent. Vere and Bickmore '90


10. Thu Mar.4 A glimpse of vision & robotics. McDermott, p.20-27, p.29-46, p.47-64;


14. Thu Mar. 18 Split brains. Dreams and drugs. Blackmore p.70-72 Ch.5 & ch.7 (to p.111).
15. Tue Mar. 23  Robot phenomenal consciousness: "scannable" signal sites in the head? The whispering sunglasses. The topology of sensory C. Could a robot feel pain, joy? Project teams (1-3 students per team), CSC 291 should be finalized (with TA help, if needed)


17. Thu Apr. 1  Animal C. Blackmore ch.8 (to p.124), Baars p. 31-33;

18. Tue Apr. 6  Affect and proto-affect. Ortony, Norman & Revelle, ch. 7, Fellous & Arbib
TEST 1 (OVERNIGHT TO WED APR 7, 11:59PM) [postponed to Apr. 9]

19. Thu Apr. 8  Function & neural basis of emotions. Rolls, ch. 5, Fellous & Arbib

20. Tue Apr. 13  Emotional processing (fear and love). Fellous & Ledoux, ch. 4, Fellous & Arbib

21. Thu Apr. 15  Robot "emotion". Breazeal & Brooks, ch. 10, Fellous & Arbib; PROJECT PROPOSALS DUE (1 printed page, single-spaced)


23. Thu Apr. 22  McDermott's "computational theory of C". McDermott, ch.3; see also summary p. 215.

24. Tue Apr. 27  McDermott's defense of his model of C. Zombies, color-deprived Mary, inverted spectra, Nagel's bat, Searle's Chinese Room, etc. McDermott, ch.4

25. Thu Apr. 29  Robots, people, and morality. McDermott, ch.6

26. Tue May 4  TBD (overrun? review?)

27. Thu May 6  Project presentations
TEST 2 (NONCUMULATIVE, OVERNIGHT TO WED MAY 7, 11:59PM)
Schedule of assignments

Tue Feb 9: Lisp 1, due Thu Feb 25, 11:00am

Thu Feb 11: Homework 1, due Thu Feb 18, 11:00am

Thu Feb 25: Homework 2, due Thu Mar 4, 11:00am

Tue Mar 9: Lisp 2, due Thu Mar 25, 11:00am

Thu Mar 11: Homework 3, due Thu Mar 18, 11:00am

Tue Mar 23: CSC 291 project teams (1-3 students per team) should be finalized (with TA help, if needed)

Thu Mar 25: Homework 4, due Mon Apr. 5, 11:00am

Thu Apr 8: TEST 1 (OVERNIGHT TO FRI APR 9, 11:59PM); postponed from Apr 6

Tue Apr 13: Project proposals due (1 printed page, single-spaced).

Thu Apr 15: Homework 5, due Thu Apr 22, 11:00am

Thu May 6: CSC 291 PROJECT PRESENTATIONS;
TEST 2 (NONCUMULATIVE, OVERNIGHT TO FRIDAY 11:59PM)

Mon May 10: PROJECT REPORT DUE

Grading

<table>
<thead>
<tr>
<th>Assignment Description</th>
<th>Weight</th>
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<tbody>
<tr>
<td>5 homework assignments (answer questions, write essays)</td>
<td>40  35</td>
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<tr>
<td>2staged Lisp exercises (oriented towards &quot;self-awareness&quot;)</td>
<td>26  16</td>
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<tr>
<td>2 tests (midterm &amp; noncumulative final test)</td>
<td>34  24</td>
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<tr>
<td>Gridworld project (teams of 1-3)</td>
<td>25  0</td>
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% weight 191/291