

Arrangements

Pre-recorded lectures to be listened to before class sessions (starting 11/9, links below)

Dialogue hours, 4-5.15 Mondays on <http://bit.ly/651hangout>

One-on-one meetings with instructors, after dialogue hours or by sign up ([Peter](#), [Jeremy](#))

[Assignment deadlines, grades, and checklist](#)

Tentative Schedule of Readings and Topics

(Readings are to be completed prior to class meeting, except if it has not yet been made available to you on [Readings](#) page. Continue journal entries, but submit them by copying and pasting them into replies to the relevant subject on <http://csrcrth651.wikispaces.umb.edu/-/Readings/r/home> (If you have problems, email them to jeremy.szteiter@umb.edu or peter.taylor@umb.edu including 651 at start of subject line and naming files 615xyAssignmentname, where xy are your initials.)

Date, Topic, Readings

(See the [Readings](#) page for the actual downloadable readings not available from the textbook, and for audiovisual overviews of each week's material.)

Human Memory Systems

Nov.2 What is the structure and function of the working memory system?

Reisberg, 5, Baddeley (2000)

Nov. 9 How accurate are our memories? What factors affect memory accuracy?

Reisberg, 7; [Bartlett \(1932\)](#) ; Loftus (1997)

(Woven into previous weeks' lecture)

What facilitates retrieval from long-term memory? How can memory retrieval be improved?

Reisberg, 6; Geiselman et al (1986)

Knowledge Representation, Problem Solving & Expertise

Nov.16 How do experts differ from novices? How does one become an expert in a domain?

Bransford (2000); Ericsson & Charness (1994)

Nov. 23 What methods are useful for solving problems? How do experts differ from novices in solving problems?

Reisberg, Chapter 12; Wineburg (1991)

Nov.30 How are concepts represented in LTM?; How do concepts develop and change?

Reisberg, 8; Carey, 1985

Dec. 7 How are visual and linguistic knowledge represented? What are strengths and limits of each form? How does

each affect thinking and problem solving?

Reisberg, 9 and 10

Thinking, Reasoning, Decision Making

Dec. 14 Two systems: What is the difference between thinking fast and thinking slow?
Kahneman, Part 1. Two Systems (pp. 19-105)

Dec. 21 How do we draw conclusions from evidence? What shortcuts do we use? How can our thinking be improved?
Kahneman, Part 2. Heuristics & Biases; Reisberg, Chapter 11

Schedule and Description of Assignments

Doing what was defined in the original syllabus is always an option. Additional options are described [here](#). Allowances will be made for time taken to regroup.