Introduction to Cognitive Neuroscience
Tentative syllabus

1. Setting the groundwork
   - 2 July: Brainiacs. Macro-scale nervous system introduction.
   - 6 July: How do we know? Methods and research.

2. Vision and object recognition
   - 7 July: What’s out there? Intro to senses. Eyes and retinas.
   - 8 July: Coding the information. Simple cells and edge detection.

3. Attention, working memory, and executive control
   - 13 July: Filters keep us sane. Brain and behavioral studies of attention.
   - 14 July: I’m using that! Working memory models.
   - 15 July: Control freak! Neural bases of working memory and executive control.

4. Learning and long-term memory
   - 16 July: Learning: not just in school. Learning and long-term memory.
   - 20 July: I just changed your brain! Experience-dependent plasticity.
   - 21 July: Braaaaaiiins. Dissection lab.
   - 23 July: The places you’ll go. Navigation and spatial cognition.

5. Audition and language
   - 28 July: Say what? Language and humans
   - 28 July: Not evolved for print. From language to reading.

6. Nifty odds and ends
   - 29 July: Math is hard... or is it? Numbers and mathematical knowledge.
   - 3 August: When focus breaks. ADHD
   - 4 August: Structure without semantics. Music
   - 5 August: Does what you think affect what I think? Social cognition
   - 6 August: Output. Motor control