This list of terms does not represent all material or concepts that will be on the first midterm, but will give you a good idea of what most of the “core concepts” and main ideas in the lectures. Make sure that you know these terms, have general ideas about experimental results related to these terms, and have a good association for concepts that span across brain, behavior, and computation.

**General:**

**Cognitive science:**
3 pillars  
6 departments

**Brain:**

**Brain Terms:**
Cortical sheet  
Gyri  
Sulci  
Bilateral vs. lateralized  
Homology / Homologous  
Brodmann Areas

**Brain Navigation:**
Lobes: Frontal/Parietal/Occipital/Temporal  
Dorsal/Ventral  
Anterior/Posterior  
Rostral/Caudal  
Medial/Lateral

**Neurons:**
soma  
dendrite  
axon  
action potential  
synapse

**Tools:**
TMS  
Neurofeedback  
EEG

**Behavior:**
Memory:
long-term/short-term  
procedural/declarative  
episodic  
semantic

**Modelling:**
Neural network model  
Feed-forward  
Feed-back/Recurrent

**Lectures & Papers:**

**Dr. Gary Cottrell:**
FFA  
Expertise
Word superiority effect
Interactive activation model (general concepts/methods)
Overgeneralization/undergeneralization of English -ed
Role of context in perception (e.g. "THE CAT")
pseudo-words
Prospagnosia

Dr. Jamie Pineda:
mirror neuron
autism
biological motion
mu rhythm
mu rhythm suppression
experiments with TMS (method & results)
Types of mirror neurons
Theory-Theory

Dr. Joan Stiles:
Lesion Method
Meninges/CSF
Broca's Area
Wernicke's Area
Amnesia (anteriograde vs. retrograde)
Aphasia
Agnosia (apperceptive vs. associative)
Classic case studies (“Tan”/HM)

Dr. Eric Viirre:
ICA
P1/P2
dipole
The "killer app"

Dr. Terry Sejnowski:
Levels of study
pure vision vs. interactive vision
change blindness
eye movements
dopamine
rate coding
spontaneous activity
receptive field
on-center off-surround vs. off-center on-surround cells