

Sample Syllabus

Textbook:

Sinnett, Scott, Daniel Smilek, and Alan Kingstone, *Cognition*, Sixth Edition. Don Mills: Oxford University Press, 2016.

Lecture	Chapter	Chapter Title	Topics to Cover
1	1	Introduction	<ul style="list-style-type: none"> • Limitations of information processing • Models of information processing • Metacognition
2	2	Cognitive Neuroscience	<ul style="list-style-type: none"> • Investigating the brain: historical perspectives • Current cognitive neuroscience methods
3	3	Perception	<ul style="list-style-type: none"> • Physiology of vision: from eye to brain • Object recognition • Perception and action
4	4	The Varieties of Attention	<ul style="list-style-type: none"> • Selective attention • Divided attention • Sustaining attention
5	5	Memory Systems	<ul style="list-style-type: none"> • The modal model of memory • Baddeley's model of working memory • Divisions of long-term memory • Connectionist model of memory
6	6	Memory Traces and Memory Schemas	<ul style="list-style-type: none"> • Flashbulb memory • Schema models of memory • Accuracy of memory: eyewitness and false memory
7	7	Imagery	<ul style="list-style-type: none"> • Paivio's Dual-Coding Theory • Imagery and memory • Spatial memory: mental rotation, transforming imagery, and cognitive maps
8	8	Concepts	<ul style="list-style-type: none"> • Different approaches to concepts (Bruner, Reber, and Wittgenstein's) • The prototypicality approach • Embodied cognition
9	9	Language	<ul style="list-style-type: none"> • The basics of psycholinguistics • Language acquisition theories • Using language for communication and social interaction

10	10	Problem-Solving	<ul style="list-style-type: none"> • Approaches to solving problems (insight, artificial intelligence, thinking aloud methods) • Barriers to problem-solving
11	11	Reasoning, Judgment, and Choice	<ul style="list-style-type: none"> • Syllogistic reasoning • Mental models approach to reasoning • Heuristics and biases in reasoning
12	12	Intelligence and Creativity	<ul style="list-style-type: none"> • Historical perspectives on intelligence • Current theories of intelligence (Sternberg, and Gardner) • Creativity: definition and characteristics
13	13	Consciousness	<ul style="list-style-type: none"> • Approaches to levels of consciousness • Consciousness and the brain • Disorders affecting consciousness