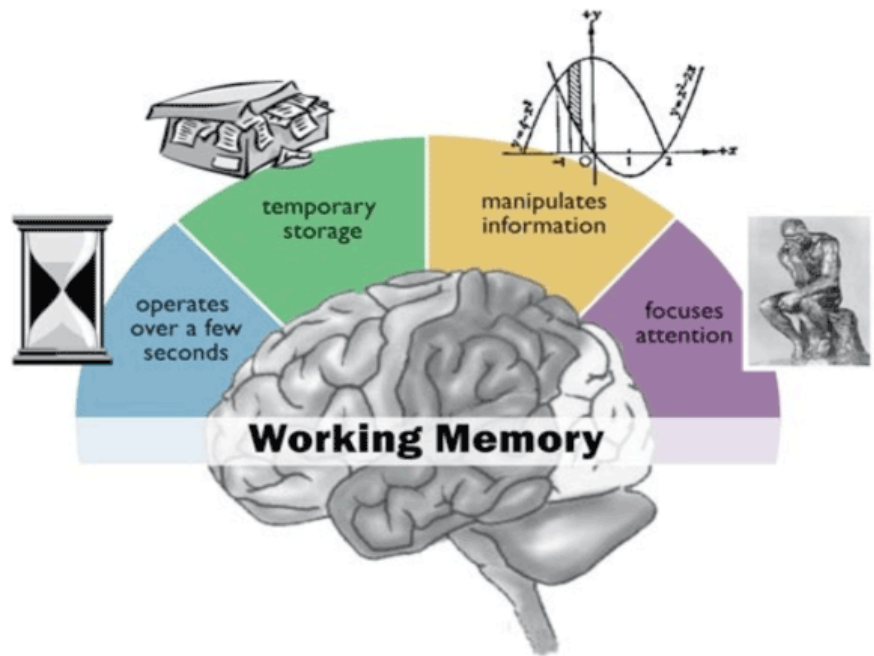


How many things can you think about at once?: Behavioral and Neural Studies of Visual Working Memory.

Working memory refers to our ability to maintain information in an “online” mental state, so that it is readily accessible for ongoing perception and cognition. Capacity in this memory system is highly limited, but it also exhibits robust correlations with broad measures of intellectual function such as scholastic achievement and fluid intelligence. I’ll describe recent work from our lab that attempts to better define the nature of capacity limits in visual working memory. One core conclusion from this work highlights a distinction between the maximum number of items that can be represented in working memory and the precision or resolution of those representations (i.e., number versus resolution). Our data suggest that number and resolution are separate aspects of memory ability that have distinct relationships with fluid intelligence and differentiated neural substrates.



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~COLLOQUIUM~

Friday, April 9, 2010

3:00 p.m. in Ochoco 204, COCC Campus

Presented by **Dr. Edward Awh**

Professor of Psychology,
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