Course: 01.701 **Cognitive Psychology (Human Memory and Cognition)**
Time: Thursday 4:00-6:30         Room: as scheduled.

Instructor: Dr. James Carifio  
Office: 527 O’Leary Library  Phone: 978-934-4609  
email: James_Carifio@uml.edu  
Office Hours: Mon.&Thurs. 6:30-7:30, Weds 5:30-6:30 and by appointment or e-mail (James_Carifio@uml.edu)

**Required Text**
Ashcroft, M.  Human Memory and Cognition (South Campus Book Store).

**Supplemental Text**
Brunner et al. Cognitive Psychology and Instruction (SCBS).  

Helpful Texts and Materials: Separate Bibliography.

**COURSE REQUIREMENT:** You MUST email me at: cogpsych701@yahoo.com before the second class and I email you back a bibliography which includes websites and then follow-up materials after each class or pre-class materials.

This course is intend to give students a broad, global and comprehensive introduction to current theories of learning and particularly those that are cognitive in character. The first third of this course covers the fundamentals of cognitive and information processing models of learning (i.e., attention, perception, short and long term memory, cognitive and affective operations and schema theory as well as response construction and development). Both the neurology and biology of learning are covered at the elementary level. The second third of this course covers higher order cognitive processes, language, understanding, text and text processing, thinking, reasoning, humor and problems solving as well as expertise and the achievement of excellence. The last third of this course focuses on applying cognitive learning theory to specific problems such as learning from media and the internet, learning mathematics, science, writing, and literature or real world problem solving and self-regulated learning (to mention a few). A midterm and a final examination will be given which will have short answer, essay and analysis and synthesis items. A 10-15 page paper is required that is due before the final. This paper will be on some topic or issue in the course that you wish to pursue in greater detail. The paper will be 30%, the midterm 40%, and the final 30% of your grade. Other in class and out of class assignments will be given to facilitate your learning and understanding of the subject matter in this course, which will be discussed in class.
Syllabus/Schedule

9/6: Introduction, Overview, Basic Concepts, theories, views, problems, and methodologies. Readings: Handouts, Ashcroft ch 1 and pages on basic neurology.

9/13: Classical concepts, theories, views and models, and the emergence of the "standard model". Readings: handouts, and identified references from the bibliography as needed.

9/20: Overview of the general standard model: attention, perception, processing, memory (st, w, lt), performance (overt and covert), schemas, modes of representation and processing (including fantasy and dreaming), the executive, depth of processing concepts and style of processing concepts. Readings: Ashcroft, ch 2. Note: a more compressed presentation of each component in the general standard model is given in Brunning et al., chapters 2-7.


10/25: Review of midterm and schema correction as needed. Extending the standard model. Readings: articles found; or Brunning chapters 8-14; choose one chapter to read.


11/8: Texts (Complex Stimuli), Text Processing and Learning from Texts. Readings: Handouts, Brunning: chose 2-nd area


12/20: Final (or paper presentations).