

## **Psychology 600-303: Proseminar on Human Information Processing**

Spring Semester, 1998

### **Topics by Weeks**

1. Pattern recognition; Iconic (short-term visual) memory.
2. Divided and focused visual attention.
3. Control of visual attention; facilitation and inhibition; temporal aspects.
4. Visual search.
5. Signal detection theory (decomposition of accuracy data).
6. Biased attention; word recognition (applications of SDT)
7. Additive-factor method (decomposition of reaction-time data).
8. Applications of the AFM.
9. Further AFM applications; perspectives and extensions;  
    Executive function (task-switching)
10. Speed-accuracy decomposition method (SAD); Pattern matching.
11. Pattern matching: serial versus parallel operations.
12. Control of action sequences.
13. Action control and awareness; time production.
14. The information-processing approach.