

**Syllabus: Psychology 1001w, Fall Term 2004, Professor Eugene Galanter**

Reading abbreviations:

*Miller* = *Psychology, The Science Of Mental Life*

*PTN* = *Psych Tech Notes*; *PS* = *Psychological Science*

*Plans* = *Plans And The Structure Of Behavior*

Click here to return to **Introduction**

**Read How the Quizzes Work; PTN Chapter 5 for Thursday**

**Introduction:**

Darwin: Contribution to science. Connection to psychology: *Descent Of Man* 1871  
(<http://www.literature.org/authors/darwin-charles/the-descent-of-man/>)

The polar positions: Wilson and Staats (reserve):

It's all in the genes (Wilson, E.O. (1998) *Concilience*, NY:Knopf (pp 164-169).

We are the product of experience. (Staats, A. (1999) *Rev Gen Psych*, Vol. 3, pp. 10-11).

Reading *Miller* 1, 2, 4; *PTN* 1, 2, 3. *PS* 3

**1. Associative Mechanisms--Learning**

Associationism, memory, information, mnemonics, Ebbinghaus; Thorndike & Pavlov; animal models: Hull, Skinner, Tolman; volition, language, reaction time metrics.

Read: *PTN* 4, 15, 16, 17; *Plans* 1, 2, 3 (esp fn 9, p.45 & q p.46), 10, 11; *Miller* 10, 11, 12, 13, 14. *PS* 1, 2, 4

**2. Seeing and Hearing:**

Psychophysics, thresholds, Weber; measurement, Fechner; signal detection--decisions, pain, noise, Stevens, Hochberg, Gestalt, beyond connectionism.

Read: *PTN* 6, 7, 8, 9, 10, 11, 12, 13, 14; *Miller* 6, 7, 8; *PS* 5

**3. Valuing:**

Motivation and conflict, utility, probabilistic models, gambling, reprise decision making, scaling

Read: *Miller* pp 261-266, *PS* 6, Bernoulli, game theory, Value of Money (reserve).

**4. Planning:**

Organization: action, intention, structural properties, ballistic intentions.

Read: *Plans* 4, 6, 7, 8, 12, 13; *Miller* 17; Galanter, Intentionalism (reserve).

**5. Feelings and emotion:**

**Review:** Instincts, classical conditioning. Example: Freud.

Read: Freud, *Three Contributions To A Theory Of Sex*; Terrace: Freud (reserve); *Miller* 12, 15, 16 pp 248-260. (review. *PS* 3).

**6. Individual differences:**

Personality, development, IQ, heritability, correlation, mental tests, z-scores again

Read: *PTN* 20; *Miller* 9, 18, 19; *Plans* 9.