

Psychology 312-2 (Neurobiology & Behavior-2)
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COURSE OUTLINE AND READING GUIDE: 2009

<u>Week</u>	<u>Topic</u>	<u>Readings</u>
1	Neural Coding b. electrophysiological correlates of behavior (concluded from C12-1)	Carlson <u>65</u> , Ch 9 * Donchin et. al. <u>103</u> @ Neville et al. <u>104</u> @ Hugdahl <u>109</u> , chapter 1, 6, *
2-3	c. behavioral correlates of electrophysiology ("Brain Wave Biofeedback") and other psychophysiological applications	Hugdahl <u>109</u> , chapter 2, 6, 11, 12 . * Rosenfeld et al. <u>72</u> @ Rosenfeld <u>97</u> * Rosenfeld & Baehr 108 * Rosenfeld et. al. <u>107</u> * <i>On Web page</i> Hatch <u>95</u> all @ Res
4	Gross Anatomical Substrates of Behavior, especially learning and memory, from an evolutionary point of view	LASHLEY <u>1</u> pp. 27-75*; <u>res</u> CLARK et. al. <u>74</u> @ <u>res</u> Carlson <u>65</u> , Ch 11, 13 * Rosenblith <u>13</u> , Ch. 15
5	Motivation: I Homestasis	Cannon <u>21</u> @ Richter <u>24</u> <u>res</u> @

Gross & Ziegler 11m 136-169 @

-----midterm cutoff-----

<u>Week</u>	<u>Topic</u>	<u>Readings</u>
6	II The Reticular formation: Arousal	Carlson <u>65</u> , Ch 13, 15, 18 * Gross & Zeigler <u>11m</u> 215-230 @
7	III Limbic System a) Eating, Drinking, Love	
8-9	b) Pleasure, Pain Analgesia Aggression	Gross & Zeigler <u>11m</u> 249-253 @ 77-105 @
10		MILNER <u>res</u> @ Melzack <u>100 Res</u> @ Rosenfeld <u>102 res</u> * WHITEHORN & BURGESS <u>47</u> @ NATHAN & Rudge <u>50</u> @ <u>res</u> . Le BARS, <u>93</u> , <u>res</u> @

* - required of everybody, refers to whole line

res = on reserve

@ - strongly recommend

Basic References for C12-1 and 2.

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7. Stellar et. al. (Eds.) Progress in Physiological Psychology. (All Vols. to date)
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11. Gross & Zeigler (Eds.) Readings in Physiological Psychology. (All Vols.)
12. Landauer (Ed.) Readings in Physiological Psychology. McGraw-Hill, (paper).
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15. Neurosciences Research Program Bulletins:
 - 15a. Vol. 6, #3, Neural Coding Perkel & Bullock (Eds.)
 - 15b. Vol. 7, #3, Evoked Brain Potentials MacKay (Ed.)
16. Neurosciences Research Symposium Summaries. (Schmitt et. al., Eds.)
- 17a. The Neurosciences: A Study Program. Quarton, Melnechuk, Schmitt (Eds.)
- 17b. The Neurosciences: Second Study Program, 1970. (Rockefeller, etc. as in 17a)
- 17c. The Neurosciences: Third Study Program, 1974. MIT Press.
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