Psychology 5750/7750 (Fall 2010)
Primate Phylogeny

Irwin Bernstein, Room 602

Class Meets – Monday, Wednesday and Friday
Period 5 (12:20-1:10) Psychology Room 426

Date	Topic	Readings
16 Aug	Science and Systematics	None
18 Aug	What is Taxonomy?	Schultz I, Feagle I
20 Aug	Principles of Classification	Washburn & Harding
23 Aug	The Species Concept	Watts I, II
25 Aug	Nomenclature	Fleagle III
27 Aug	Classification Systems	Napier and Napier Natural History I
30 Aug	The Concept of Evolution	Napier and Napier Natural History II
01 Sept	Natural and Artificial Selection	Simons II
03 Sept	Genetic and Inclusive Fitness	Watts V
06 Sept	Labor Day	No Class
08 Sept	Population Genetics	Watts VI
10 Sept	Phylogenetic Trees	Fleagle IX, Simons I
13 Sept	Constructing Phylogenies	Fleagle X
15 Sept	Measuring Time	Fleagle II
17 Sept	Definitions	Watts, III, IV
20 Sept	What is a Primate	Fleagle IX
22 Sept	Defining by Example	Napier and Napier Natural History III, IV
24 Sept	The Primates Are …?	Simons IV
27 Sept	Necessary and Sufficient Universal and Exclusive	Look at Napier & Napier Handbook 1-49
29 Sept	Primate Adaptation is?	Cartmill
01 Oct	Primate Origins	Simons III
04 Oct	What are Lemuriformes?	Fleagle XI
06 Oct	The Tarsier Problem	Napier and Napier Natural History V
08 Oct	Malagasy subfossils	Simons V
11 Oct	Paleocene, Proprimates?	Fleagle XII
13 Oct	The Eocene	Fleagle XIII
15 Oct	The Prosimian Concept	Fleagle IV
18 Oct	What are Omomyids?	None
20 Oct	New World Primates	Fleagle V
22 Oct	Monophyletic Origins	Fleagle XIV
25 Oct	Old World Anthropoids	Fleagle VI
27 Oct	Part II	None

31 Oct	FALL BREAK	No Class
01 Nov	Hominoidea	None
03 Nov	The Hominid Concept	Fleagle VIII
05 Nov	The Oligocene	Fleagle XV
08 Nov	The Miocene	Fleagle VII
10 Nov	Hominoid radiation	Schultz VI
12 Nov	The Pliopithecids	Schultz IX
15 Nov	Great Apes?	None
17 Nov	The Pliocene	Fleagle XVI
19 Nov	Cercopithecines & Colobines	None
22-26 Nov	THANKSGIVING BREAK	NO CLASS
29 Nov	Bipedeal Primates	None
01 Dec	The Pleistocene	Fleagle XVII
03 Dec	Hominid radiation	Fleagle XVIII
06 Dec	What is a Human?	Watts VII
07 Dec	Concepts	Review
13 Dec	Final Exam	1200

If you do not intend to come to every class and to do all of the assigned readings, this is the wrong class for you. This class should stimulate you to think in new ways and to critically examine ideas and interpretations. Your use of evidence and the logical organization of material will be evaluated rather than the particular theoretical position that you subscribe to. There is a difference between data and theory, logic and assertion. This will be different than many other courses, I hope you enjoy it. Fleagle is our basic text.

Washburn and Harding and Cartmill are reprints outside the door of 602. Please borrow for no more than one hour. Cartmill gives an alternative view to primate origins. Washburn and Harding give the primary view in Physical Anthropology.

The other books are on reserve in the Science Library. Simons assumes that you are familiar with the general topics. If you are, these are excellent summaries. Chapter V is extraordinary well done for malagasy subfossils and evolution of the malagasy prosimians.

Schultz explains basic concepts in an easy to follow way. Watts explains basic concepts in several fields. Napier and Napier's Handbook is a good introduction to the primates. Their Natural History is a popular text introducing you to Primate Systematics.

If you have questions, bring them to class or see me privately, but not in the 30 minutes prior to class.

Please stay with the readings. I will supplement, not repeat your texts. You are expected to be able to discuss the readings on the day assigned. You will be responsible for all materials presented in class whether you were present or not. On tests, all work is to be individual work. When you are allowed to use your notes and textbooks you are still not allowed to consult with anyone on the answers to questions. The code on Academic Honest will be enforced. If you are unsure about any portion of this policy, see me.

Graduate students will be expected to select from a list of reprints to prepare a 15 minute classroom presentation. This is practice for paper presentations at scientific meetings and will not be graded. Undergraduate students may volunteer to do this also.

You will vote on the number and nature of examinations during the first week of classes. Some may be take home and open book examinations. Copying from a source is permissible with proper citation (without citation this is plagiarism). Citations will not substitute for your explanation of what it means in your own words. On take-home exams you may use books, notes or other media but cannot consult with other people in preparing your answers. The answers must be your own. I will take every action possible to deal with less than honorable behavior. On "open book" exams you may look things up on the internet. Beware that many sources on the internet are inaccurate, especially in a technical field. Even if you cite it properly, a wrong answer is still wrong.