

## Information, Syllabus, and Schedules

### Faculty Instructor

**Andreas Koenig**, SBS Building S-517, **Phone:** 632-1513, **E-Mail:** <akoenig@notes.cc.sunysb.edu>, **Office Hours:** Tu 03:00 – 05:00 p.m., Fr 10:45 – 12:45 p.m., or by appointment

### Graduate Teaching Assistants

**Brandon Wheeler**, Lab sections: **01 & 02**, SBS Bldg. S-512, **Phone:** 632-1525, **E-Mail:** <bwheeler@ic.sunysb.edu>, **Office Hours:** W 12:00 – 01:30 p.m., Th 10:00 – 11:30 a.m.; **Katherine Carl**, Lab sections: **03 & 05**, SBS Bldg. N-628, **Phone:** 632-1525, **E-Mail:** <kmcarl@ic.sunysb.edu>, **Office Hours:** Tu 09:00 – 10:30 a.m., Th 01:00 – 02:30 p.m.; **Heather Hassel**, Lab sections: **04 & 06**, SBS Bldg. N-626, **Phone:** 632-1525, **E-Mail:** <hhassel@ic.sunysb.edu>, **Office Hours:** M 10:40 a.m. – 12:10 p.m., W 10:40 a.m. – 12:10 p.m.

## Information

### Locations and Meeting Times

- **Lectures**

Class Schedule: Monday, Wednesday, and Friday from 09:35 – 10:30 a.m.  
Class Location: Javits Lecture Center, Room 103

- **Laboratories**

Lab Location: Social & Behavioral Sciences Building, Room N-526  
Section 01: Monday from 03:20 – 05:20 p.m.  
Section 02: Wednesday from 03:20 – 05:20 p.m.  
Section 03: Thursday from 09:50 – 11:50 a.m.  
Section 04: Friday from 10:40 – 12:40 p.m.  
Section 05: Wednesday from 05:30 – 07:30 p.m.  
Section 06: Thursday from 05:30 – 07:30 p.m.  
Section 07: Tuesday from 12:50 – 02:50 p.m.

### Attendance Policy

Attendance at lectures is strongly advised for those seeking to do well in the course. **Attendance at laboratories is obligatory.** Anticipated absences should be arranged in advance.

### Electronic Devices

Please secure and turn off all electronic communications and entertainment devices during lectures and labs. Use of any of such devices during an examination may lead to an accusation of academic dishonesty.

### Course Goals

This course gives an introduction to: (i) the evolutionary study of humankind based on a survey of the diversity and evolutionary history of primates, (ii) the development of scientific and evolutionary thought and method, (iii) the biological basis of inheritance and variation, (iv) human variations and adaptations in relation to the environment, (v) physical characteristics and behavior of living primates, and (vi) evolution of primates and current research on human origins.

### Required Reading

Campbell BG, Loy JD, Cruz-Uribe K (2006) *Humankind emerging*. 9<sup>th</sup> edition, Allyn and Bacon, Boston, Price: \$ 97.00 (new); \$ 72.75 (used); ***1-4 copies will be available on course reserve in the Main Library***

ANP 120. Introduction to Physical Anthropology Laboratory Manual (revised edition: July 2007). Price: \$ 15.- (available **only** at the Department of Anthropology, SBS Bldg 5<sup>th</sup> floor, S-501)

**It is important that you read each relevant assignment or lab prior to the scheduled lecture or laboratory session.**

**Course Web Page**

Class information is on-line at <<http://blackboard.stonybrook.edu>>. If you used Blackboard before, your login information (Username/NetID, NetID Password) should be the same (except that NetID Passwords expire every 6 months). If you have not used Stony Brook's Blackboard system, you can look up your NetID and set your password on SOLAR. Log into SOLAR with your Stony Brook ID number and SOLAR password. Once you have logged into SOLAR, look for the NetID information box on the right side. For help or more information check out the Instructional Computing pages at e.g., <<http://www.sinc.sunysb.edu/helpdesk/bb.shtml>>. For problems logging in, go to the helpdesk in the Main Library SINC Site or the Union SINC Site, call: 631-632-9602, or e-mail: <[helpme@ic.sunysb.edu](mailto:helpme@ic.sunysb.edu)>

**Grading Policy****Examinations**

Seventy-five percent (75%) of the final grade will be based on the total number of points earned from three (3) exams. Exams consist of questions taken from the *lectures* (multiple choice & true/false questions). All three exams must be taken, as each covers a specific portion of the course. The exam are *not* cumulative. Exams will be administered on the following days:

exam #1	October 10, 09:35 – 10:30 a.m.
exam #2	November 12, 09:35 – 10:30 a.m.
<b>exam #3</b>	<b>December 19, 08:00 – 08:55 a.m.</b>

**Laboratories**

Twenty-five percent (25%) of the final grade will be based on the lab grade. This grade is composed of the total number of points from quizzes (25%) and homework assignments (15%) given in the laboratory sections. Between Dec. 10 – 14 comprehensive lab examinations (accounting for 60% of the lab grade) will be administered at the time of the regular lab meetings.

**Make-up exams**

Make-up exams can be given only under exceptional circumstances. In case of a personal emergency a student must inform the instructor of one of the TAs within 3 days of the exam and provide documentary evidence for the emergency. For example, written proof of illness on letterhead from student health services, from a medical practitioner or from a hospital/clinic will be accepted as a valid excuse for missing an exam. The health authority on the letter will be contacted to verify your information.

**Academic Integrity**

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Any suspected instance of academic dishonesty will be reported to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary/>

**Extra Credit**

No extra credit projects will be assigned.

**Personal Conditions**

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC Bldg, room 128, (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential <<http://studentaffairs.stonybrook.edu/dss/>>. Students requiring emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information, go to the following web site: <<http://www.stonybrook.edu/ehs/fire/disabilities.shtml>>

**Op Scan Forms**

Students are responsible for providing op scan forms for exams, but the department will sell them at the time of the exam to students who do not have them.

## Syllabus &amp; Reading Assignments

Date		Lecture Topics	Textbook & Manual
W	Sep 5	Introduction to the Course	
F	7	What is Physical Anthropology?	
M	10	History of Evolutionary Theory	pp 1-15
W	12	Biological Basis of Life & DNA, I.	pp 24-36
F	14	ROSH HASHANAH (NO CLASS)	
M	17	Biological Basis of Life & DNA, II.	pp 24-36
W	19	Principles of Inheritance, I.	pp 16-23
F	21	Principles of Inheritance, II.	pp 16-23
M	24	Population Genetics, I.	pp 36-49
W	26	Population Genetics, II	pp 36-49
F	28	Human Variation and Adaptation, I.	pp 438-466
M	Oct 1	Human Variation and Adaptation, II.	pp 438-466
W	3	Osteology	pp 481-484, Lab 4
F	5	Forensic Anthropology	Lab 4
M	8	Review	
<b>W</b>	<b>Oct 10</b>	<b>EXAM #1, 9:35 – 10:30 a.m.</b>	
F	12	Macroevolution, I.	pp 49-57
M	15	Macroevolution, II.	pp 49-57
W	17	What is a Primate?	pp 58-76
F	19	Overview of Living Primates, I.	pp 58-76
M	22	Overview of Living Primates, II.	pp 58-76
W	24	The Apes	pp 110-129
F	26	Studying Primates	Lab 7
M	29	Primate Adaptations, I.	pp 58-76,108-110
W	31	Primate Adaptations, II.	pp 58-76,108-110
F	Nov 2	Primate Social Systems, I.	pp 90-108
M	5	Primate Social Systems, II.	pp 90-108
W	7	Primate Social Systems, III.	pp 90-108
F	9	Review	
<b>M</b>	<b>Nov 12</b>	<b>EXAM #2, 9:35 – 10:30 a.m.</b>	
W	14	Fossil Evidence and Its Interpretation	pp 130-136, 468-471
F	16	Primate Evolution, I.	pp 134-150
M	19	Primate Evolution, II.	pp 134-150
W	21	What is a Hominin?	pp 77-89, 150-158, 239-261
F	23	THANKSGIVING BREAK (NO CLASS)	
M	26	Early Hominins, I.	pp 160-219
W	28	Early Hominins, II.	pp 160-219
F	30	<i>Paranthropous</i> and early <i>Homo</i>	pp 221-238
M	Dec 3	<i>Homo erectus</i>	pp 262-310
W	5	<i>Homo heidelbergensis</i>	pp 311-330
F	7	<i>Homo neanderthalensis</i>	pp 357-388
M	10	<i>Homo sapiens</i>	pp 389-437
W	12	<i>Homo sapiens</i>	pp 389-437
F	14	Review	
<b>W</b>	<b>Dec 19</b>	<b>EXAM #3; 8:00 – 8:55 a.m.</b>	

### Laboratory Schedule

Week	Date	Laboratory
1	Sept. 3 – 7	NO LABORATORY
2	Sept. 10 – 14	NO LABORATORY
3	Sept. 17 – 21	Lab 1: Evolutionary Theory
4	Sept. 24 – 28	Lab 2: Mendelian Inheritance and Population Genetics
5	Oct. 1 – 5	Lab 3: Human Variation and Adaptation
6	Oct. 8 – 12	NO LABORATORY
7	Oct. 15 – 19	Lab 4: Osteology
8	Oct. 22 – 26	Lab 5: Primate Taxonomy and Systematics
9	Oct. 29 – Nov. 2	Lab 6: Feeding Adaptation and Functional Morphology
10	Nov. 5 – 9	Lab 7: Primate Behavior
11	Nov. 12 – 16	Lab 8: The Fossil Record of Nonhuman Primates
12	Nov. 19 – 23	NO LABORATORY
13	Nov. 26 – 30	Lab 9: Early Hominins: <i>Ardipithecus</i> , <i>Australopithecus</i> , and <i>Paranthropus</i>
14	Dec. 3 – 7	Lab 10: The Fossil Record of <i>Homo</i> (DURING THIS WEEK TAs WILL BE AVAILABLE FOR LAB REVIEWS; DATE & TIME WILL BE ANNOUNCED SEPARATELY)
<b>15</b>	<b>Dec. 10 – 14</b>	<b>LAB FINAL EXAM</b>