
Archaeology 432: Advanced Physical Anthropology**2004-1**

Instructor: Dr. Dongya Yang , Office: MPX 9629
Office Telephone: 291-4651
Email: donyang@sfu.ca
Web: www.sfu.ca/~donyang

Class time: Lecture: Tuesday 14:30 pm - 17:20 pm
Lab: Thursday 11:30 am - 13:20 pm

Description: This course is designed to provide the senior undergraduate student with an overview of current knowledge, controversies and new discoveries in the field of physical anthropology with an emphasis on human skeletal biology. This course is primarily a lecture/seminar exchange with frequent labs designed to teach relevant techniques and prepare students for graduate research. There will be systematic assignment of sections of the text. These plus further assigned readings prefaced by lectures from the instructor will provide the foundation for class discussion.

Grading: Quality of lab work 30%
Readings-precis 20%
Seminar participation 20%
Paper 30%

Required texts:

Katzenberg, M. Anne and Shelley R. Saunders, 2000, Biological Anthropology of the Human Skeleton, Wiley, John & Sons, ISBN: 0471316164

Prerequisite: ARCH 373-5 and either 344-3 or 385-5

Notes: Labs will be held during the first week of classes

Deferred grades will be given only on the basis of authenticated medical disability.

Archaeology 432: Advanced Physical Anthropology**2004-1**

<i>Week</i>	<i>Date</i>	<i>Lecture/Seminar (Tuesday)</i>	<i>Lab (Thursday)</i>
1	Jan. 6 Jan. 8	Ethics in Physical Anthropology (1)	Computer Software and On-line Resources
2	Jan. 13 Jan. 15	Does Race Exist?	Use of Cast Collection
3	Jan. 20 Jan. 22	Methodological Consideration in Forensic Anthropology (2)	Dental and Skull Casting
4	Jan. 27 Jan. 29	Histological Studies of Bones and Teeth (6,7)	Bone Thin Sectioning (I)
5	Feb. 3 Feb. 5	Paleopathology (8,10)	Bone Thin Sectioning (2)
6	Feb. 10 Feb. 12	Emergence of New Diseases	Microscopic Photography Digital Photography
7	Feb. 17 Feb. 19	Chemical Analyses (11,12)	Spring Break, No Lab
8	Feb. 24 Feb. 26	Genetic Anthropology (13)	On-line Genetics Data
9	Mar. 3 Mar. 5	New in Dental Anthropology (4, 9)	Radiography I Anthropometry
10	Mar. 10 Mar. 12	Biomechanical Analysis (3) and Functional Morphology	Radiography II Anthropometry
11	Mar. 17 Mar. 19	Population Studies (14, 16)	Multivariate Statistics
12	Mar. 24 Mar. 26	New in Skeletal Age Estimation (5, 15)	Open Lab
13	Mar.31 Apr. 2	Poster Presentation	Final Discussion