Spring 2015
ANT 4468 – Health and Disease in Human Evolution

Department of Anthropology, University of Florida

Time: Tuesdays (Periods 5-6), Thursdays (Periods 6)
Place: B304 Turlington Hall Basement
Website: http://lss.at.ufl.edu * E-Learning in Sakai

Instructor: Dr. John Krigbaum, Associate Professor
           office: 1350A Turlington Hall
           office hours: TBD
           e-mail: krigbaum@ufl.edu (* best contact method *)
           tel:  (352) 294-7540

Course Overview
Mortui viventes docent (“the dead are our teachers”)

Health and the human condition have long been an area of interest in anthropology. Throughout human evolution, biological and cultural factors have influenced human vulnerability to disease. Likewise, disease producing organisms (pathogens) have undergone their own evolution within the human arena. Such co-evolution of humans and pathogens varies in modern human groups because of our adaptation to a wide diversity of habitats. Different ecological contexts present their own set of health problems humans must adapt to.

This course will examine human health and disease from both an evolutionary and an ecological perspective. Environmental, genetic, physiological, and cultural factors will be reviewed as to their role in affecting the well-being of different prehistoric and recent human populations. Skeletal pathologies present in the body (indicative of infectious disease, poor nutrition, or physical activity) will be introduced and discussed with respect to the inferred quality of adaptation of past individuals and populations.

Grading (out of 500 possible points)

350 points – three “in class” exams (Exam 1 and 2 - 100 pts each;
   Exam 3 (comprehensive) April 21 - 150 pts)
100 points – class paper/project (web page &10 minute class presentation, 50 pts each)
20 points – two in-class quizzes
30 points – misc. homework
-10 points – each unexcused absence

percentile breakdown: 93.50-100 = A; 90-93.49 = A-; 86.5-93.49 = B+; 83.5-86.49 = B;
80-83.49 = B-; 76.5-79.99 = C+; 73.5-76.49 = C; 70-73.49 = C-;
66.5-69.99 = D+; 63.5-66.49 = D; 60-63.49 = D-; <59.99 = E.
Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

REQUIRED TEXTS


RECOMMENDED TEXTS


E-Books

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<td><strong>Introduction</strong></td>
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<td>II.</td>
<td><strong>The Human Skeleton</strong></td>
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| IX.   | Spring Break                                               |
| T 3-Mar | No Class                                 |
| R 5-Mar | No Class                                 |

| X.    | Infectious Disease                                       |
| T 10-Mar |                                 |
| R 12-Mar |                                 |

| XI.   | Trauma                                                      |
| T 17-Mar | Guest Lecture: Dr. Michael Warren                           |
| R 19-Mar | Guest Lecture: Ellen Lofaro                                 |

| XII.  | Historical Approaches                                     |
| T 24-Mar | Guest Lecture: Dr. James Davidson                         |
| R 26-Mar | No Class -- work on presentations                         |

| XIII. | Metabolic, Endocrine & Neoplastic Disease                |
| T 31-Mar |                                               |
| R 2-Apr |                                               |

| XIV.  | Student Presentations                                    |
| T 7-Apr | Presentations                                           |
| R 9-Apr | Presentations                                           |

| XV.   | Recap                                                      |
| T 14-Apr | Presentations & Review                                    |
| R 16-Apr | No Class (SAAs)                                          |

| XVI.  | Exam                                                       |
| T 21-Apr | Exam 3                                                   |