**Anthropology 3411**

**Expected Learning Outcomes**

1. ***Students understand the basic facts, principles, theories and methods of modern science.***
2. ***Students understand key events in the development of science and recognize that science is an evolving body of knowledge.***
3. ***Students describe the inter-dependence of scientific and technological developments.***
4. ***Students recognize social and philosophical implications of scientific discoveries and understand the potential of science and technology to address problems of the contemporary world.***

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| **Anthro 3411** | **Topic** | **ELO(s) Satisfied** | **Assessment Direct Measure** |  |
| Week 1 | Human place in nature & nature’s place in humans. |  |  |  |
| Week 2 | Historical perspectives; Principles of ecology; Principles of evolution in an ecological context. | 1, 2 |  |  |
| Week 3 | Hominin origins in African environments; Primate ecological adaptations. | 1 |  |  |
| Week 4 | Early hominin adaptations & adaptability. | 1 |  |  |
| Week 5 | Geographic spread and ecological diversification of *Homo*; Biological & cultural adaptations to new biomes. | 2 |  |  |
| Week 6 | Ecological & development adaptations of morphology & physiology. I; Ecological & developmental adaptions of morphology & physiology. II. | 1 |  |  |
| Week 8 | **Midterm**; The “ecological transition”. | 2, 3 | Embedded questions | Criteria = 80% correct answers. |
| Week 9 | Human survival and subsistence choices; Domestication of other life forms. | 4 |  |  |
| Week 10 | Adaptations to disease; Human spread of disease; Adaptations to designed environments. | 3 |  |  |
| Week 11 | Human population growth since the Pliocene. I; Human population growth since the Pliocene. II. | 3 |  |  |
| Week 12 | Environmental carrying capacity & the tragedy of the commons. | 3, 4 |  |  |
| Week 13 | Impact on wild populations; Environmental impact. | 4 |  |  |
| Week 15 | Demographic, ecological & evolutionary projections. | 4 |  |  |
|  | **Final Exam** |  | Embedded questions | Criteria = 80% correct answers. |