

## Quantitative Methods in Archaeology

Archaeology 376

Section: d100

Term: 2006 Spring

Instructor: Dr. Bob Muir

bmuir@sfu.ca

Discussion Topics: This course examines theory, method, and operation of quantitative techniques used in the description, classification, analysis, and interpretation of archaeological data.

Major topics to be covered include:

1. Measurement Theory
2. Quantifying Archaeological Objects
3. Probability and Sampling
4. Descriptive Statistics
5. Statistical Inference
6. Contingency Analysis
7. Correlation and Regression
8. Analysis of Diversity
9. Classification and Cluster Analysis
10. Spatial Analysis
11. Correspondence Analysis
12. Principal Component Analysis

Grading: Weekly Assignments 50%

Quizzes 20%

Research Project 30%

Required Texts: Quantifying Archaeology (2nd edition), Stephen Shennan, Edinburgh University Press.

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite: Pre ARCH 201, and either STAT 203 (formerly 103) or PSYC 210 or permission of instructor

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

This outline is derived from a course outline repository database that was maintained by SFU Student Services and the University's IT Services Department. The database was retired in 2014 and the data migrated to SFU Archives in 2015.