GEOGRAPHY 207-001

Basics of Map and Air Photo Interpretation

Instructor: Mark Coté 2018 Fall
Room CL. 325.3 306-585-4879 cotem@uregina.ca

Class Schedule: Monday, Wednesday, Friday, 8:30 to 9:20 AM (ewww…) CL 317


Grading: Lab exercises (approx 6) 35%
Midterm Exam (Oct 17) 30%
Final Exam (Dec 10, 9 AM) 35%

NOTE: Late submissions will be accepted only at the instructor’s discretion.
Failure to either exam will result in a grade of NP

Description:
This course comprises an introduction to the interpretation of a variety of maps and air photos. The emphasis will be on techniques and to this end a number of practical exercises are planned. Lectures will also address the theory of map composition and compilation, along with theory of aerial photo acquisition and photogrammetry. The importance of spatial association is underlined with an introduction to GIS.

Tentative Outline and Schedule:

1. Introduction (1 week)
2. Map Interpretation (5 weeks)
   2.1 Types of maps
   2.2 Projections
   2.3 Map symbolization
   2.4 Techniques in map interpretation
   2.5 Possibilities and limitations of map interpretation
3. Air-photo interpretation and photogrammetry (5 weeks)
   3.1 Principles of remote sensing
   3.2 Basic photogrammetry:
   3.3 Principles of air-photo interpretation
   3.4 Possibilities and limitations of air photo interpretation
4. Synthesis - Maps and Air Photos in Combination (1 week)
5. Introduction to Geographic Information Science - GIS (1 week)