

GEOG/ARKY 413 H (3-2) AREA III

SOIL CHARACTERISTICS AND FORMATION

Timetable	Lec 20	TR	9-11:45	ES 653	Catalogue #	1350
	Lab 20	T	1-4:30	ES 355		
	Lab 21	R	1-4:30			

Instructor: Dr. Dana Naldrett

Office: ES 422

Office hours: TBA

Phone: 220-2894

e-mail: naldrett@ucalgary.ca

TA (if applicable):

Office:

Office hours:

Phone:

e-mail:

Course Content

Lectures: An introduction to the physical and chemical properties of soils with particular reference to soils of North America. Soil formation processes and factors are considered in discussing soil profile and horizon development. Soil development is examined as related to geomorphic materials, geomorphic events, anthropogenic sources, and erosional and depositional landscapes. Some applications of soils in archaeology will be discussed.

Labs: Laboratory exercises will demonstrate sample preparation and analysis, and analysis of samples from the Calgary area.

Field Trip(s): If time and expenses permit, field trips will be organized to show students field techniques and soil types in their natural setting. Expenses will be determined after enrollment and scheduling are finalized; it is expected that each trip will cost between \$15 and \$25, which will be collected after classes start.

Blackboard: <http://blackboard.ucalgary.ca/>

Required Texts: *non required, but recommended:* Brady and Weil, *The Nature and Properties of Soils*, 14th edition

Readings/Manual: none

Grading (Weighting)

Midterm Test	20%
Final Examination	35%
Labs & Field Trips	25%
Lab Analysis Report	20%

Students must carry out all four grading components and earn an overall 50% or higher to pass the course. Note- late assignments will be penalized 20% per day.

Final exam will be scheduled by the Registrar's Office.

Prerequisite: Geography 313 or consent of the Department (consent of instructor)

Supplementary Fees: If field trips can be arranged, the cost of \$20.00 per trip will be charged, depending on the number of students, and the length of trip.

Percentages below indicate the standard required for each letter grade; these standards may be lowered but will not be raised.

A	90.0 – 100	D+	54.0 – 58.9
A-	85.0 – 89.9	D	50.0 – 53.9
B+	80.0 – 84.9	F	0 – 49.9
B	76.0 – 79.9		
B-	72.0 – 75.9		
C+	67.0 – 71.9		
C	63.0 – 66.9		
C-	59.0 – 62.9		

Grading will be based on the equivalent standards of the university (Course Information Section in the University Calendar) as indicated below:

A+	4.00	Outstanding performance
A	4.00	Excellent-superior performance, showing comprehensive understanding of subject
A-	3.70	↑
B+	3.30	↑
B	3.00	Good - clearly above average performance
B-	2.70	↑
C+	2.30	↑
C	2.00	Satisfactory performance – basic understanding of the subject
C-	1.70	
D+	1.30	
D	1.00	Minimal Pass-marginal performance
F	0	Fail - - poor performance

Plagiarism

Academic dishonesty is not an acceptable activity at the University of Calgary and students are **strongly advised** to read the Student Misconduct section in the University Calendar. Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are 1) presenting another student's work as your own 2) presenting an author's work or ideas as your own without proper referencing and 3) using work completed for another course. This activity will not be tolerated in this course and students conducting themselves in this manner will be dealt with according to the procedures outlined in the calendar.

Re: Posting of Grades and Picking-up of Assignments

- Assignments will be handed back only in class or by the Professor at pre-arranged time(s).
- To receive your assignment back via mail, please include an appropriately sized self-addressed, stamped envelope with your assignment when handing in to the professor.
- Posting of grades will be at the discretion of each Professor and, if posted, they will be scrambled. Grades will **not** be available at Geography's main office.

Contact Information for Student and Faculty Representation

- SU VP Academic Phone: 220-3911 and e-mail: suypaca@ucalgary.ca
- SU Faculty Rep. Phone: 220-3913 and e-mail: socialscirep@su.ucalgary.ca

Campus Safewalk

Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day, to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at 220-5333 or use a help phone, and Safewalkers or a Campus Security officer will accompany you to your Campus destination.