

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

**SOIL CHARACTERISTICS AND FORMATION**

<b>Timetable</b>	Lec01	MW 9:00	ES920	<b>Catalogue#:</b>	<b>2065</b>
		50			
	Lab01	M 1:00	ES355		
	Lab04	W 110			

**Instructor: Dr. Dana Naldrett**

Office: ES422

Office hours: MW 11:00-12:00 or by appt

Phone: 220-2894

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**Course Assistant: Richard Rogalski**

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Office hours: TBA

Phone: 220-5595

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**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.

**Blackboard:** not used

**Required Text:** Brady and Weil, *The Nature and Properties of Soils*, 14th edition

**Readings/Manual:** Geography/Archaeology 413 Manual, Department of Geography. Cost \$20.00- cash only, no cheques (**required**)

**Grading (Weighting)**

Midterm Test 20%

Final Examination 35%

Labs &amp; 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

**Supplementary Fees:** none

## Grading System

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: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)
- SU Faculty Rep. Phone: 220-3913 and e-mail: [socialscirep@su.ucalgary.ca](mailto: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.