



Environmental Planning and Ecological Design			
Course Number	EVDP 626		
Pre/Co-Requisites	N/A		
Instructor Name	Dr. Mathis Natvik, Dr. Mary-Ellen Tyler	mathis.natvik@ucalgary.ca tyler@ucalgary.ca	403- 220-7958 403-804-9252
Office Location	PF 3196 (Natvik) PF 2105 (Tyler)		
TA Name	Connie Tran	conntran@ucalgary.ca	
Class Dates	Fall 2019, Thursdays		
Class Times	9:00am to 12:50am		
Class Location	PF 3160		

Course Information / Description of the Course

Course content will provide students with an understanding of concepts in ecology and landscape ecology that are relevant to planning and landscape architecture at urban and regional scales. Six areas: principles of landscape ecology, landforms and hydrology, ecosystem and habitat types in the Calgary region, ecological land classification, impacts and social ecological systems, and application of landscape ecology in land use and management problem-solving and spatial design will be explored in classes and field trips as well as through three assignments. The assignments will assist in integrating course content in application to site specific and context specific environmental planning and ecological design issues found in planning and landscape architecture professional practice.

Learning Resources

Required Readings and Learning Materials will be posted for access on the Course D2L site. For purposes of accessing D2L you must make sure you are registered in the course and with your U of C email address. Please use your U of C email address to receive course communications from Instructors and access D2L readings and resources.

Course Learning Outcomes

At the end of this course, students will be able to:

1. Understand landscape ecology principles
2. identify basic ecological processes
3. identify regional habitat and ecosystem types in the Calgary region
4. Understand the criteria used in ecological land classification
5. Understand impacts on ecological processes and social ecological systems
6. Apply ecological concepts and processes in planning and design problem-solving

Assessment Components

Assessment Method	Description	Weight	Aligned Course Learning Outcome
Assignment #1	Landscape Ecology principles, landforms and hydrology	30	1 + 2
Assignment #2	Ecosystem and Ecological land Classification criteria	40	3 + 4
Assignment #3	Applying Landscape Ecology in Planning and Landscape Architecture Practice	30	5 + 6

Assessment and Evaluation Information

Attendance at classes and in course field trips is expected and required unless there are medical or accommodation situations that arise. If you know you are not going to be able to attend a class or go on a field trip due to unexpected circumstances, please contact the Instructors by phone/text/email preferably in advance of your absence if possible. If you are absent from two consecutive classes or field trips or fail to submit two consecutive assignments without contacting and advising the Instructors of your situation you may be required to withdraw from the course.

Digital submission of assignments by email, D2L, or USB are accepted unless the Instructors have explicitly requested that assignments be submitted in hard copy or verbally presented with a power point presentation.

There is no single final examination. Participants will be evaluated on the basis of a series of course assignments as outlined in the course schedule. Written assignments are expected to be at the graduate level of written English consistent with Faculty of Graduate Studies (FGS)

guidelines available through the following link:

<https://www.ucalgary.ca/pubs/calendar/current/e-2.html>

Late assignments will not be accepted except on medical or compassionate grounds (such as a death in the family or a sick child) and unless there is a formal accommodation letter provided to the Instructors at the beginning of the term. HOWEVER, the Instructors understand that sometimes, despite best intentions, plans and schedules don't work out. Therefore, course participants will be allowed one late assignment during the course. If you wish to exercise this option you must contact the Instructors in advance to receive one extension, the period for which will be determined by the Instructors based on your circumstances and will normally not be more than 1 to 3 days.

Course assignments are progressive – meaning each assignment is sequentially more complex and worth more. The grade assigned to each participant for the course will be based on the cumulative results of all assignments.

Please note that FGS academic regulations state that a final course grade of "C+" or lower will result in required withdrawal from your degree program regardless of your overall grade point average (GPA) unless the program recommends otherwise. If the program permits a student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on your official transcript.

Grading Scale

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	95-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	90-94.99	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Good performance
B	3.00	2.85-3.14	75-79.99	Satisfactory performance
B-	2.70	2.50-2.84	70-74.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	65-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward

				Faculty of Graduate Studies course requirements.
C	2.00	1.85-2.14	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.30	1.15-1.49	50-54.99	
D	1.00	0.50-1.14	45-49.99	
F	0.00	0-0.49	0-44.99	

Topic Areas & Detailed Class Schedule

Please Note: Due to unforeseen circumstances it may be necessary to revise this schedule

Course Schedule Date	Topic	Assignments/Due Dates
September 5	Intro Landscape Ecology	
September 12	Principles Landscape Ecology	
September 19	Landforms and Hydrology	Assignment #1 hand out
September 26	Landforms and Hydrology	FIELDTRIP ?
October 3	Ecosystems of Alberta	Back Up Field Trip Date
October 10	Ecosystems of Alberta	
October 17	Ecological Land Classification	Assignment #2 hand out FIELDTRIP?
October 24	No classes / SAPL Block Week	
October 31	Ecological Land Classification	Back up Field Trip Date (M)
November 7	Impacts + Social Ecological Systems	
hNovember 14	No classes – term break	
November 21	Landscape Ecology Application in Problem Solving	Assignment #3 hand out
November 28	Landscape Ecology Application in Problem Solving	
December 5	Last Class	

Assignment Due Dates to be determined following class consultation

Media and Recording in Learning Environments

Part 1

University Calendar: <https://www.ucalgary.ca/pubs/calendar/current/e-6.html>

Recording of lectures (other than audio recordings that are pre-arranged as part of an authorized accommodation) is not permitted.

Students may not record any portion of a lecture, class discussion or course-related learning activity without the prior and explicit written permission of the course instructor or authorization from Student Accessibility Services. For any other use, whether by duplication, transcription, publication, sale or transfer of recordings, written approval must be obtained from the instructor for the specific use proposed. Any use other than that described above constitutes academic misconduct and may result in suspension or expulsion.

Part 2

The instructor may use media recordings to capture the delivery of a lecture.

The instructor will notify all students and guests in the class that the event is being recorded. If a student or guest wants to take steps to protect privacy, and does not want to be recorded, the instructor will provide the individual (s) with an alternative means of participating and asking questions (e.g., passing written notes with questions). Students cannot be penalized for choosing not to be recorded in situations where participation is part of the course. Students must be offered other ways of earning participation credit that do not involve recording.

Any video-recording would be intended to only capture the instructor and the front of the classroom. Students/other participants would not necessarily be visible on video recordings.

Special Budgetary Requirements

Mandatory:

The University has approved supplemental fees for the following courses:
2019/2020 SUPPLEMENTARY COURSE FEES

EVDP 626 – Landscape Planning and Ecological Design

\$125.00

University of Calgary Policies and Supports

ACADEMIC ACCOMMODATION

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at <http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf>.

ACADEMIC MISCONDUCT

Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when: (a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work, (b) parts of the work are taken from another source without reference to the original author, (c) the whole work (e.g., an essay) is copied from another source, and/or, (d) a student submits or presents work in one course which has also been submitted in another course (although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.

For information on academic misconduct and its consequences, please see the University of Calgary Calendar at <http://www.ucalgary.ca/pubs/calendar/current/k.html>

COPYRIGHT LEGISLATION:

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

UNIVERSITY STUDENT APPEALS OFFICE: If a student has a concern about the course, academic matter, or a grade that they have been assigned, they must first communicate this concern with the instructor. If the concern cannot be resolved with the instructor, the student can proceed with an academic appeal, which normally begins with the Faculty.

<https://ucalgary.ca/student-appeals/>

More student support and resources (e.g. safety and wellness) can be found here:

<https://www.ucalgary.ca/registrar/registration/course-outlines>