



Course Title: PLANTS IN THE LANDSCAPE			
Course Number	EVDL 645		
Pre/Co-Requisites			
Instructor Name	María del Sol Galdón	Instructor Email	mail@mariagaldon.com
Office Location			
TA Name	n/a	TA Email	n/a
Class Dates	Fall 2019, Fridays		
Class Times	9:00am to 12:10pm		
Class Location	PF 2165		

Course Information / Description of the Course

Course Description:

EVDL 645 introduces the characteristics and uses of trees and shrubs in the local landscape. Emphasis is placed on plant taxonomy, plant identification and planting design. Native and non-native trees, shrubs, vines and groundcovers will be reviewed in both natural and designed landscapes. There will be a focus on plant materials appropriate in the local region.

Teaching Approach:

The course is divided into two sections. The first half of the course focuses on basic plant taxonomy and methods of plant identification through lectures and plant walks. Local trees, shrubs and ornamental grasses will be identified on outdoor plant walks around the university campus or off-site locations. Students will prepare a plant journal and complete two quizzes/exams based on this material. The second half of the course will focus on planting design and will include guest lectures on various topics. A planting design is the final assignment where students can apply their new knowledge of plant material and the spatial characteristics of plants.

Learning Resources

Required readings are listed in the course schedule provided below. The following books are recommended to supplement class learnings:

Plant Identification

- Botany in a Day: The Patterns Method of Plant Identification – Elpel, Thomas.
- Plant Identification Terminology: An Illustrated Glossary – Harris, James.
- Flora of Alberta – E.H. Moss

Trees and Shrubs Common to the Region

- Trees and Shrubs for the Northern Plains – Hoag, D.
- Native Trees of Canada – Hosie, R.
- Woody Ornamentals for the Prairies – Hugh Knowles
- Guide to the Common Native Trees and Shrubs of Alberta – Available Online at <http://aep.alberta.ca/land/land-industrial/programs-and-services/pesticide-management/pesticideuse/documents/CommonNativeTreesShrubsAlberta-Guide.pdf>

Planting Design

- The Planting Design Handbook – Robinson, Nick.
- With People in Mind: Design and Management of Everyday Nature – Kaplan, R. and Kaplan, S.
- Planting in a Post-Wild World - [Rainer, Thomas](#) and [West, Claudia](#)

Internet Resources

- Eagle Lake Nursery: <http://search.eaglelakenurseries.com/11050003/>
- Heritage Perennials (for perennials only): <http://www.perennials.com/>
- ITIS (for verifying scientific names): <https://www.itis.gov/>

Course Learning Outcomes

1. Ability to recognize, correctly name and describe characteristics of common evergreen and deciduous woody plants
2. To develop an understanding of the cultural requirements of plants in built environments
3. Become proficient at accessing horticultural information from a variety of sources and apply knowledge in planting design
4. To gain an increased awareness of the role and importance of plants to society
5. To begin executing planting designs at a small scale that will enable the student to apply knowledge in future courses/studios and in professional practice

Assessment Components

Assessment Method	Description	Weight	Aligned Course Learning Outcome
Plant Exam*		25%	
Plant Journal		25%	
Planting Design *		30%	
Attendance + Participation		20%	
Total		100%	

* Note: A passing grade is required on these assignments in order to pass the course as a whole.

Assessment and Evaluation Information

Course Requirements:

1. A plant exam that will assess students knowledge of the plant material covered in class. Part of the exam will be identification of samples and/or photographs with short descriptions. Remaining portions of the exam will consist of short answer, matching and multiple choice.
2. A plant journal consisting of plant identification pages, representing all plants covered in the course with appropriate accompanying notes and illustrations, sketches or photographs (students choice). The plant journal can be used as a study tool for exams and a useful reference in future courses and professional practice. The journal must be neatly presented, organized and include an index or table of contents when submitted. Further details regarding this assignment are provided on a separate handout.
3. A planting design with a detailed program. A rationale for the program will be presented that includes behavioural, ecological or horticultural considerations. A detailed plant list including botanical and common names + quantities is also required. Planting plans must be drawn to scale either hand-drawn or computer generated. Further details regarding this assignment are provided on a separate handout.

Evaluation:

Students will be evaluated on the basis on one plant identification exams, a plant journal, a planting design exercise and participation. The exams are held indoors with samples of plant materials.

Attendance and Participation:

Class attendance and participation are essential elements in the learning process. There may be times when it is not possible for you to attend class. Please notify the instructor prior to your absence, if possible. Missing more than 25% of class hours may result in a failing grade for the course.

Expectations for Writing (<https://www.ucalgary.ca/pubs/calendar/current/e-2.html>):

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		

A student who receives a "C+" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the 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 the transcript.

Topic Areas + Detailed Class Schedule

Course Schedule Date	Topic	Assignments/Due Dates
September 7	Class Introduction by Mathis Natvik	
September 13	Lecture 1 - Course Outline, Basic Plant Taxonomy Plant walk 1 - University Deciduous	
September 20	Lecture 2 - Plant Families, General Characteristics Plant walk 2 - University Deciduous	
September 27	Lecture 3 - Monoecious and Dioecious Plants Plant walk 3 - University Deciduous	
October 4	Plant walk 4 - Eagle Lake Nurseries	Field Trip
October 11	Lecture 4 - Conifers, Plant Material Resources Plant walk 5 - University Coniferous	Plant Identification Quiz

October 18	Plant Exam Guest Lecture - Ana Galdon, Plant Material Selection and Maintenance Considerations Planting Design Assignment Overview	Exam Plant Journal Due
October 25	SAPL Block Week	
November 1	Lecture Planting Design 1 - Introduction to Planting Design (Ecology, Function, Aesthetics) Guest Lecture - Zoe Wimmer, Planting Design Projects	Lecture Exercise
November 8	Lecture Planting Design 2 - Plants as Spatial Elements Guest Lecture - Caylee Dyck, Reclamation	Lecture Exercise
November 15	UofC Mid-term Break	
November 22	Lecture Planting Design 3 - Creating Spaces with Plants Guest Lecture - Andrea Kennedy, Technical Aspects of Planting Design Desk Crit of Planting Design Assignment	Lecture Exercise
November 29	Lecture Planting Design 4 - Planting Plans, Presentation and Graphic Techniques Planting Design Group Charette Guest Lecture - Michael Magnan, Planting Approach Methods Desk Crit of Planting Design Assignmen	Group Charette Exercise - Commercial Planting Design
December 6	Student Presentation of Planting Design	Hand in final Planting Design Assignment

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

Special budgetary requirements are limited to the optional purchase of course readings and, in specific courses, mandatory supplementary fees to cover certain expenditures, such as field trips. Mandatory supplementary fees must be approved by the University prior to implementation. Instructors are required to list and describe approved optional and mandatory supplementary fees for courses. This can include possible costs incurred for special materials, equipment, services, or travel. The \$150 supplemental fees for all studio courses is charged to cover workshop costs of use and maintenance of hand tools, assorted power tools, CNC routers, laser cutters, 3D printers, and robotics.

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>