

EVDL 645 – PLANTS IN THE LANDSCAPE

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Classroom: 2165
Day + Time: Fridays, 9:10-12:20
Term: Fall 2018

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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.

Course Objectives:

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

Readings:

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 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.

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.

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.

Grading Scale:

Final grades will be reported as letter grades, with the final grade calculated according to the 4-point range. Assignments will be evaluated by percentage grades, with their letter grade equivalents as shown.

GRADE	GRADE POINT	4 POINT RANGE	PERCENTAG	DESCRIPTION
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	VALUE		E	
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	3.5-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Satisfactory performance
B	3.00	2.85-3.14	75-79.99	Minimum pass for students in Faculty of Graduate Studies
B-	2.70	2.50-2.84	70-74.99	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+	2.30	2.15-2.49	65-69.99	
C	2.00	1.85-2.14	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.3	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	

Notes:

- 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.

Schedule – Fall 2018

WEEK	DATE	LECTURE	ASSIGNMENT / EXAM	REQUIRED READINGS
1	September 7	Presentation Course Outline, Plant Taxonomy Plant walk 1 - University Deciduous		
2	September 14	Plant walk 2 - University Deciduous		
3	September 21	Plant walk 3 - University Deciduous	Quiz	

4	September 28	Plant walk 4 - Eagle Lake Nurseries		
5	October 5	Plant walk 5 - University Coniferous		
6	October 12	Plant Exam		
7	October 19	EVDS Block Week		
8	October 26	Planting Design 1		Planting Design Handbook: Chapter 3 (Spatial Characteristics of Plants) With People in Mind: Chapter (Some Human Characteristics)
9	November 2	Planting Design 2 - Guest Lecture		Handbook: Chapter 4 (Creating Spaces with Plants)
10	November 9	Planting Design 3		Planting Design Handbook: Chapter 5 With People in Mind: Chapter 5
11	November 16	EVDS Mid-term Break		
12	November 23	Planting Design 4 - Guest Lecture		Planting Design Handbook: Chapter 6
13	November 30	Planting Design Group Charette		
14	December 7	Presentation of Planting Design	Hand in final Planting Design	
15	December 14		Plant Journal Due	

Notes:

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor. Submissions must come from an official University of Calgary (ucalgary) email account.

2. Academic Accommodations. Students who require an accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to their Instructor or the designated contact person in EVDS, Jennifer Taillefer (jtaillef@ucalgary.ca). Students who require an accommodation unrelated to their coursework or the requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Vice- Provost (Student Experience). For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/

3. Plagiarism - 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 (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),(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. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.

4. Information regarding the Freedom of Information and Protection of Privacy Act (<http://www.ucalgary.ca/secretariat/privacy>) and how this impacts the receipt and delivery of course material

5. Emergency Evacuation/Assembly Points (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)

6. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)

7. Contact Info for: Student Union (<https://www.su.ucalgary.ca/contact/>); Graduate Student representative(<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.ucalgary.ca/ombuds/>).