

BIOL 449/ES 425 Flowering Plant Diversity

Course Outline - Winter Term, 2024

Lectures: Monday; 2:30-5:20 p.m. - Cunningham 146

Labs: Thursday, 2:30-5:20 p.m. & 5:30-8:20 p.m.- Cunningham 245

INSTRUCTORS:

Lead:

TEXTS: Lecture: No text (references on reserve)

Lab: **C. L. Hitchcock and A. Cronquist. 2018. Flora of the Pacific Northwest, 2nd ed.** This is a newly updated edition, with excellent geographic coverage and botanical keys for our area. The 1st edition (1973), though it has outdated nomenclature and lacks some species, is also usable for the lab (required).

J. G. Harris and M. W. Harris. 1994. Plant Identification Terminology. Copies of other regional floras will be available for consultation (required).

EVALUATION:

For success in this class, all lectures and labs should be attended. To pass this course, students must pass both lab and lecture components.

Lecture:

Two midterm exams (15% each)	30%	
Final examination (cumulative)		20%
Lecture Total (50%)		

Lab:

Lab projects:

In addition to regular labs, you will be assigned three field-based lab projects: 1) A collection of 10 properly pressed and correctly identified plant specimens. 2) A digital library of flowering plant observations on iNaturalist. 3) A small journal of plant drawings. More information will be available in the first lab, and on Brightspace.

GRADE CONVERSION:

A+	90-100%	A	85-89.5%	A-	80-84.5%		
B+	77-79.5%	B	73-76.5%	B-	70-72.5%		
C+	65-69.5%	C	60-64.5%	D	50-59.5%	F	<49.5%

There will be no supplemental exams. If you miss the midterm for a medical reason, the evaluation breakdown will be adjusted accordingly. Deferred final exams will only be considered if a formal Request for Academic Concession is provided to Dr. Hawkins, the course coordinator.

Date	Instructors	Lecture topic
Jan 8	Kristen Miskelly, Andy MacKinnon	Class Introductions, C Angiosperms, Intro to local ecology of SVI. Angiosperm structure and variation Part 1
Jan 15	Kristen Miskelly and David Krug	Angiosperm structure and variation Part II, Inflorescences; vegetative structures (roots & stems); Vegetative structures (wood, leaves, hairs). Plant reproductive biology; Plants and pollination adaptations. Seed and seed-based restoration with grad student David Krug.
Jan 22	Kristen Miskelly and Martin Liu	A brief history of angiosperm classification and nomenclature; Intro to defining and describing

Statement of Inclusion: The University of Victoria is committed to creating a learning experience that is as accessible as possible. If you are registered with the Centre for Accessible Learning (CAL) and anticipate or experience any barriers to learning in this course, please feel welcome to discuss your concerns with Dr. Hawkins, the course co-ordinator. If you are a student with a disability or chronic health condition you can meet with an advisor at CAL to discuss access and accommodations: <https://www.uvic.ca/services/cal/>

Academic Policies and Regulations:

[Undergraduate policies and academic regulations](#) are described in the UVic Undergraduate Calendar. Please read very carefully the Policy on Academic Integrity, the Academic Concession Regulation/Guidelines, and Academic Important dates.

Academic Integrity: Students are required to abide by all academic regulations set as set out in the [University calendar](#), including standards of academic integrity. Violations of academic integrity (e.g. cheating and plagiarism) are considered serious and may result in significant penalties. The exams (quizzes, midterm and final exam) must all be completed **individually** and not with a friend or classmate or a group. You are prohibited from sharing any information about the exam with others.

Academic Concession Regulation/Guidelines:

Please refer to the links below when determining what is a ‘valid reason’ to request an Academic Concession and the process for requesting a concession.

[Academic Concessions Regulation](#) and [Academic Concession Guidelines](#)

Academic Important Dates:

Check [here](#). It is the student’s responsibility to attend to Add/Drop dates published in the Calendar (last day to add courses – Jan 25, last day to drop without failure – Feb 28). Students must not assume they will be dropped automatically from any course they do not attend. It is also the students’ responsibility to check their records and registration stat

UVic Services:

Student Supports for Online Technology

Learn Anywhere:

<https://onlineacademiccommunity.uvic.ca/LearnAnywhere/>

New Student Mental Health Supports - In addition to providing both face to face and online mental health resources through our new Student Wellness Centre, a 24x7 phone & online student mental health resource and support program is available for all UVic students, no matter where they are located, at any time.

<https://www.uvic.ca/services/counselling/resources/supportconnect/>

Counselling Services t is as accessible as

Health Services - University Health Services (UHS) provides a full service, primary health clinic for students, and coordinates healthy student and campus initiatives.

<http://www.uvic.ca/services/health/>

Centre for Accessible Learning - The CAL staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations.

<https://www.uvic.ca/services/cal/>.

Indigenous Academic & Community Engagement

Elders' Voices - The Office of Indigenous Academic and Community Engagement (IACE) has the privilege of assembling a group of Elders from local communities to guide students and others in Indigenous ways of knowing and being.

<https://www.uvic.ca/services/indigenous/students/programming/elders/index.php>