

BIOLOGY 334 – PLANTS AND PEOPLE Spring 2018

Course description: Units: 1.5, Hours: 3-0

The course is an overview of plants as used by people. Plants are important parts of our lives and environment. They provide us most obviously with food, medicine and physical materials but there are many other interesting uses. The harvest and cultivation of plants have significant impacts on our planet. We will look at current topics in plant-people interactions as well as aspects of plant biology as to how they relate to the usefulness of plants.

Note: Credit for this course will not be counted toward degree programs in Biology, but Biology students may take this course as an elective (but not as a science elective).

Prerequisite: Third-year standing.

Instructor: Dr. Lynn Yip

Office hours: Wednesdays 1:30-2:30, Cunningham 162a, or by appointment

email: lynnyip@uvic.ca

Lectures: Tuesdays, Wednesdays, Fridays 8:30-9:20 am., HSD A240

Required text: *Plants and Society*, 7th Edition (2016), by Estelle Levetin and Karen McMahon, McGraw-Hill, Available at the UVic bookstore. The 6th edition is acceptable and page numbers for reading will be given accordingly. Two copies of the 7th edition and four copies of the 6th edition are on Reserve at the library.

Please bring to class a device that lets you access the internet (phone, tablet, laptop). It will be used to participate in the Socrative classroom real-time interactive response system.

Outlines of all lectures will be posted on CourseSpaces. Students are responsible for ALL material discussed in lecture and some of this may not be in the outlines.

Evaluation:

Midterm I - Tuesday, January 30, 2018 30 % Midterm II - Tuesday, March 6, 2018 30 % Final Exam (final exam period, date TBA by registrar) 40 %

Exam and Grading Policy:

No electronic devices will be permitted during any exam.

Midterms cannot be deferred. If you must miss a midterm for a valid, documented reason (documented illness, accident, family affliction, or sporting commitments as a UVic athlete), your final mark will be calculated on the basis of the other exams, and you will not incur any penalty. If you miss two midterms, you cannot complete the course and you will not be allowed to write the final.

The final exam can be deferred if missed for a valid reason. The UVic rule is that deferred exams are normally written during the last three working days of July, although other arrangements can be made in exceptional situations.

If you expect to miss a midterm or final for any of the above reasons, please notify me beforehand and produce supporting documentation. If you are not able to give prior notice, get in touch with me as soon as you are able. Travel plans are not a valid reason for missing any exam. No supplemental final exam is given in this course.

Grades for all UVic courses are submitted as percentiles. The academic transcript will include the percentile grade and a letter grade. Percentiles will be rounded to the nearest whole number; a grade of xx.5 will be rounded up.

Grading system: Percentages converted to letter grades

A+ 90-100 A 85-89 A- 80-84 B+ 77-79 B 73-76 B- 70-7 C+ 65-69 C 60-64 D 50-59 F 0-49

BIOLOGY 334 PLANTS AND PEOPLE SYLLABUS

Spring Semester, 2018, 8:30-9:20 T,W,F HSD A240

Instructor: Dr. Lynn Yip, office: Cunningham 162a (office hours Wed. 1:30-2:30)

DATE	DAY	LECTURE TOPIC	
Jan. 3	W	Introduction	
Jan. 5	F	Coffee and teas	
Jan. 9	T	Chocolate and other beverages	
Jan. 10	W	Alcoholic beverages	
Jan. 12	F	Alcoholic beverages	
Jan. 16	T	Poisonous and medicinal plants	
Jan. 17	W	Medicinal plants	
Jan. 19	F	Psychoactive plants	
Jan. 23	T	Spices!!	
Jan. 24	W	Vegetable oils	
Jan. 26	F	Guest Lecture: Sustainable Food	Dr. Richard Hebda
Jan. 30	T	EXAM I 30% mark	
Jan. 31	W	Fruits and vegetables	
Feb. 2	F	Fruits and vegetables	
Feb. 6	T	Guest Lecture: the story of melons	Dr. Ken Marr
Feb. 7	W	Legumes (beans and soy)	
Feb. 9	F	Nuts and berries	
		READING BREAK	
Feb. 20	T	Wood, paper and cork	
Feb. 21	W	Trees.....	
Feb. 23	F	Fibers and bamboo	
Feb. 27	T	Algae and colloids	
Feb. 28	W	Guest Lecture: Amazing Fungi	Andy MacKinnon
Mar. 2	F	Volatiles and tannins	
Mar. 6	T	EXAM II 30% mark	
Mar. 7	W	Gums, latex and rubber	
Mar. 9	F	Guest Lecture: NW coast native food plants	Fiona Chambers
Mar. 13	T	Ancient grains, superfoods	
Mar. 14	W	Gluten, no gluten	
Mar. 16	F	GM plants and food	
Mar. 20	T	Forest and Canada	
Mar. 21	W	Environmental Impacts of Plant Use	
Mar. 23	F	Guest Lecture: Origin of agriculture	Dr. Ken Marr
Mar. 27	T	Guest Lecture: Domestication of grains	Dr. Ken Marr
Mar. 28	W	Guest Lecture: Domestication of grains	Dr. Ken Marr
Mar. 30	F	GOOD FRIDAY HOLIDAY	
Apr. 3	T	Topics of choice	
Apr. 4	W	Topics of choice	
Apr. 6	F	Summary and Discussion	
		Final Exam, 40% mark, cumulative	