

BIOLOGY 343 TENTATIVE COURSE OUTLINE

July 6th to August 13th, 2020

Instructor: Shona Ellis, *Phone:* shona@mail.ubc.ca

Course Activities:

Asynchronous (Online) Lectures: on your own time – quiz due right before synchronous lesson

Synchronous (In-person) Lessons: Mondays and Wednesdays **10:00 – 12:00**

Synchronous Labs (In-Person = IP) - Fridays 10:00 – 12:00

Self-Guided Labs (Self-Guided = SG) – Monday to Thursday on your own time

Virtual Fieldtrips (Weekly)

Lab Exam – Friday, August 7th: 10:00am-12:00noon

Teaching Assistant: Marybel Soto Gomez

<i>Date</i>	<i>In-Person Lectures</i>	<i>Labs/Fieldtrip Activities (In-person and Self-Guided)</i>
July 6	Unit 1 - Introduction	
July 8	Unit 2 - Plant Structure	<i>Virtual Fieldtrip – Forest Walk</i>
July 10		Lab #1: Plant Structure - IP
July 13	Unit 3 - Flowers to Fruit	<i>Virtual Fieldtrip – Botanical Garden</i>
July 15	Unit 4 - Origins and History of Agriculture (and other Food Plants)	Lab #2: Plant Structure – SG
July 17		Lab #3: Flowers to Fruit, Pollination Biology - IP
July 20	Unit 5 - Plant Biotechnology, Genetically Modified Plants	<i>Virtual Fieldtrip – Community Garden</i>
July 22	Unit 6 - Spice of Life!	Lab #4: Flowers to Fruit - SG
July 24		Lab #5: Plant Families I - IP
July 27	Unit 7 – Plant Substances	<i>Virtual Fieldtrip – Beaty Biodiversity Centre (with assignment)</i>
July 29	Unit 8 - Stimulating Beverages...and not so much	Lab #6: Plant Families II - IP
July 31		Lab #7: Plant Families III - IP
Aug. 3	<i>BC Day - Holiday</i>	
Aug. 4		Lab #8: Medicines and Poisons – SG <i>Virtual Fieldtrip – Physick Garden, UBC Botanical Garden</i>
Aug. 5	Unit 9 – Medicinal and Poisonous Plants	
Aug. 7		<i>Lab Exam – OL</i>
Aug. 10	Unit 10 – Ethnobotany	Group Work – Ethnobotany
Aug. 12	Class Presentations	
	Aug. 15-19 - Lecture Final Exam	

Note: *Online assignments and quizzes will accompany most course activities.*

COURSE ACTIVITIES - Learning Loop:

A. Synchronous (Online) Lecture (~30-45 minutes)

Released 48 hours prior to In-Person Lecture (**B.**)

Quiz or Assignment - due right *before* In-Person Lecture (**B.**)

B. Synchronous (In-person) Lesson (other than Introductory Lecture):

(~2 hours)

~10 – 20min Introduction

30 – 90min Discussion/Activity

10 – 20min Follow-up

Discussion notes submitted by each group (in Assignment Section of Canvas site)

Post-lecture Quiz (due by midnight the same day as Online Lecture)

C. Post-class Activities: reading, quiz, assignment

D. Lab Activities:

(i) Synchronous Labs, In-Person = IP (~2 hours):

~15-30min Introduction and Video Lab

~60-75min Lab Activities – as outlined in lab manual.

20min Lab Quiz – completed during lab time

Labs 1, 3, 5, and 7 are in this format

(ii) Self-Guided Labs (SG) (~2 hours):

Exploratory Activities

Post-lab Quiz/Activity (usually due by midnight Thursday the week of the activity, exception is

Lab2 which is due the Wednesday by 10:00am)

Labs 2, 4, 6, and 8 are in this format

E. Fieldtrips

- Intended to be fun and support other components of the course

(~30 minutes)

EVALUATION:

Project/Term Paper (20%)

Poster Presentation (5%) – about project

Lab Final Exam (20%)

Lecture Final Exam (15%)

Lecture/Lab, Activities, Assignments (40%)

Deadlines at a Glance:

- July 7 - Due: Assignment 1 – My Favourite Plant
- July 8 - UNIT 2 Quiz
- July 9 - Due: Assignment 2 - What's in a Name?
- July 10 - Lab #1 Quiz (during lab time)
- July 13 - UNIT 3 Quiz
- July 15 - Lab #2 Activity (due by 10:00am), UNIT 4 Quiz
- July 17 - Lab #3 Quiz (during lab time)
- July 20 - UNIT 5 Quiz
- July 21 - Due: Assignment 3 - Monocots vs. Eudicots Assignment
- July 22 - UNIT 6 Quiz; Bring list of Spices from your cupboard and description of cuisine
- July 23 - Lab #4 Activity
- July 24 - Lab #5 Quiz (during lab time)
- July 27 - UNIT 7 Quiz; Bring food wrapper with at least 8 Ingredients
- July 28 - Due: Project Proposal
- July 29 - UNIT 8 Quiz; Due: Assignment 5 Beauty/Collections
- July 30 - Lab #6 Activity
- July 31 - Lab #7 Quiz (during lab time)
- August 3 - No classes – BC Day
- August 5 - UNIT 8 Assignment
- August 6 - Lab #8 Activity
- August 7 - **Final Lab Exam – 10:00 – 12:00**
- August 11 - Due: Assignment 6 - Ethnobotany Activity
- August 12 - Presentations,
- Due: Term paper/Project (will accept until August 14)
- TBA - Final Lecture Exam (between August 15th and 19th)