

General Biology 103: Dynamic Plant  
Spring 2020  
***Tentative*** Schedule

Wk	Active date	LECTURE TOPICS	Readings - Sterns	Videos	Lab Target	Assessments
1	4/6	Orientation to the Course & Intro to Plant Science	<b>Ch 1 and</b> pg 250-252 pg 283-292 pg 150-152	Discovering Plants (Academic Videos) Botany of Desire – Apples episode only (Academic Videos)	Anatomy of a seed Germination set up Decide on Expt with plant starts	Moodle quiz (MQ): due Sat 11:55 pm. Lab due Friday noon.
2	4/13	Plant Cells, microscopes & mitosis	<b>Ch 3</b>	FOD: Plant Biology: Core Concepts: Plant Cells Bozeman: Phases of Mitosis	Simulated Microscope demo online & Phases of Mitosis	MQ: due Sat 11:55 pm. Lab due Friday noon.
3	4/20	Plant tissues & Meristems	<b>Ch 4</b>	FOD: Plant Biology: Core Concepts: Plant Tissues Bozeman: Plants & Plant Structure	Measuring of plant starts.	MQ: due Sat 11:55 pm. Lab due Friday noon.
4	4/27	Plant Responses Tropisms, Phytochromes Plant hormones & Plant defenses	<b>Ch 11</b> <b>Ch 14</b> Pg 260-266	Film: How plants talk to each other (Academic Videos) FOD: Plant Biology: Core Concepts: Plant defenses	Making cuttings on plants.	MQ: due Sat 11:55 pm. Lab due Friday noon. <b><i>1<sup>st</sup> Blog check in</i></b>
5	5/4	<u>Unit 2: A&amp;P</u> Roots Anatomy Soils & Plant nutrients	<b>Ch 5</b> <b>Ch 9</b> pg 159-162 Ch 25 pg 488-491	FOD: Plant Biology: Core Concepts: Plant roots & the rhizosphere Bozeman: Plant nutrition & transport	Roots from your grocery. Gallery of plant nutrient deficiency	MQ: due Sat 11:55 pm. Lab due Friday noon. <b>Exam on Monday 5/4</b>
6	5/11	Stems Anatomy & Fcn Stem specialization	<b>Ch 6 &amp;</b> <b>Ch 9</b> pg 153-159	FOD: Plant Biology: Core Concepts: Transport of Water	Sampling stems from outdoors & sketching. Fun with celery!	MQ: due Sat 11:55 pm. Lab due Friday noon.

7	5/18	Leaf A&P Special leaf adaptations	<b>Ch 7 &amp; 10</b>	Bozeman: Finding Stomata & Photosynthesis (in unit 7)	HHMI – Photo-- synthesis W.S.	MQ: due Sat 11:55 pm. Lab due Friday noon. <b>2<sup>nd</sup> blog check in.</b>
8	5/25	<u>Unit 3: Plant Repro</u> Parts of a flower	<b>Ch 8</b> Pg 125-129 Ch 23 – Flowering plants	Plants Behaving Bady: Sex and Lies (Academic Videos)	Flower labeling activity & plant family survey.	MQ: due Sat 11:55 pm. Lab due Friday noon.
9	6/1	Fruit Anatomy	<b>Ch 8 cont</b> <b>Ch 24</b>	Exploring plant reproduction (Academic Videos)	Fruits from your grocery. Classification of fruits.	MQ: due Sat 11:55 pm. Lab due Friday noon.
10	6/8	Succession & Plant Response at the Ecosystem level	Ch 25 Pg 492-503	TBD	Finish up lab experiments and turn in.	MQ: due Sat 11:55 pm. Lab due Friday noon. <b>Final blog submission due Monday</b>

Library Film Resources: go to linnbenton homepage, quick links, library, scroll down to “Watch” this is where you enter into the following two web-based film sources. You will need to enter your X number and birth year to access from home.

- FOD – Films on Demand (available through LBCC Library website).....Type in Plant Core Concepts and Topic
- (Academic Videos) – Type in the name of the film as seen on the Schedule above. Find video guides in Moodle to fill out and return with lab report.
- \*Bozeman Science Videos: <http://www.bozemanscience.com/biology-main-page>  
Scroll down, **Unit 3 Cells** and **Unit 7 Plants** will be used in this 103 course (you are welcome to use other links as well from this resource – considered the best available in biology education for higher ed.

**Final Exam: Friday - June 12, Time TBD**