

<b>Course ID:</b>	<b>Course Title:</b>	<b>Spring 2018 TWO WEEK ½ DAY MODULE</b>
<b>BOT 204</b>	<b>Plants and People</b>	<b>Prerequisite: none</b>
		<b>Credits: 3</b>

Class Information		Instructor Information		Important Dates	
<b>Days:</b>	Tuesday-Saturday, Monday-Friday	<b>Instructor:</b>	Diane Edwards, BSc(Agr), MSc, PhD, PAg	<b>First day of classes:</b>	May 22, 2018
<b>Time:</b>	9:00am-12:30pm	<b>Email:</b>	dedwards@ambrose.edu	<b>Last day to add/drop, or change to audit:</b>	End of the second day
<b>Room:</b>	A2212	<b>Phone:</b>	403-305-5861	<b>Last day to request revised exam:</b>	n/a
<b>Lab/ Tutorial:</b>	n/a	<b>Office:</b>	L2091	<b>Last day to withdraw from course:</b>	End of 2 <sup>nd</sup> day of the 2 <sup>nd</sup> week
		<b>Office Hours:</b>	12:30 to 1:30	<b>Last day to apply for coursework extension:</b>	One month before final due date
<b>Final Exam:</b>	n/a			<b>Last day of classes:</b>	June 1, 2018

### Course Description

An introduction to plant sciences for non-science majors, with a focus on the relationships between plants and people. The course will examine the role of plants in current society and the influence of plants on the success, demise, and development of past societies. Topics to be covered will include introductory plant biology and the role of plants in: food and agriculture, stimulation, medicine, hallucinogens, poisons, and decoration. This course will include a field trip component.

### Expected Learning Outcomes

Upon successful completion of this course learners should be able to:

#### Knowledge

- Explain and analyze the role of plants in human health and current society and in the local and global environment.
- Explain the basic core principles of plant: growth, resource use, reproduction and reactivity with their environment.
- Discuss the major influences plants have had on shaping past and present society.

#### Skill

- Identify or distinguish the major groups in the plant kingdom and the main families of seed plants
- Implement and practice critical thinking on prominent topics in the plant sciences

#### Attitude

- Foster a lifelong appreciation of the beauty, and value the ecological, economic and social implications of plants

## Textbooks

Required: Capon, B. 2019. Botany for Gardeners. 3<sup>rd</sup> Edition. Timber Press.

Recommended: Levetin, E., McMahon, K. 2012. Plants & Society. 6<sup>th</sup> or 7<sup>th</sup> Edition. McGraw Hill. Available on reserve in the library.

## Course Schedule (Tentative)

Date	Topic	Text (pages)
Day 1 Tues. May 22	Course Overview Topic 1: Introduction to plants Activity: Introduction to book review Topic 2: Plant cell, body and growth Media: Plant blindness Assignment 1: Book selection for review	BC: 11-13 BC:15-17  BC: 18-26 BC: 37-89
Day 2 Wed. May 23	Topic 3: Physiology Activity: Book review – topic selection Topic 4: Physiology Media: Plant Senses	BC: 145- 189
Day 3 Thurs. May 24	Topic 5: Life cycles – Flowers, fruits and seeds Activity: Discovery of Fruit/flowers Media: The Fruit Hunters - Assignment 2	BC: 195-221
Day 4 Fri. May 25	Topic 6: Diversity of Plant Life Activity / Assignment 3: Plant Survey of Ambrose campus and EcoReserve	BC: 93-141
Day 5 Sat. May 26	<b>Midterm</b> Topic 7: Plant Fibre (Cloth, paper and wood) Topic 8: Origins of Food production Activity: Position on plant biotechnology Assignment 4	LM:296-320 LM: 172-180
Day 6 Mon. May 28	Topic 9: Improving plants - old techniques Activity: Presentation of assignment 4 Topic 10: Creating new plants– new and future techniques Media: Plant biotechnology	LM:233-260
Day 7 Tues. May 29	Topic 11: Grasses and grains Topic 12: Legumes and starches Activity: Supermarket Botany	LM: 183-202 LM: 205-231
Day 8 Wed. May 30	Topic 13: Simulating Beverages Activity: Why Caffeine? Assignment 5 Topic 14: Herbs and spices Media: Essential oils	LM:261-292
Day 9 Thurs. May 31	Topic 15: Medicinal plants Topic 16: Psychoactive plants Activity: Cannabis: medicine or narcotic? Assignment 6 Topic 17: Poisonous and allergy	LM:231-240 LM:341-360
Day 10 Fri. June 1	Topic 18: Ornamental plants / Gardens Review Final Exam	No ref

BC: Botany for Gardeners, L&M: Plants & Society

## Requirements:

Learning from the lectures, readings, field trips and media will be evaluated using one in class midterm (20%), an in class final exam (30%) and through six short in class and/or take-home assignments (100 -200 words). Each assignment will be 5% (6x5=30%) and must be submitted by the due date using Moodle or handed in during class. Exams will mainly consist of short answer questions, multiple choice, drawing structures and labelling diagrams.

Critical Book Review: Learners will review one book from a list of popular non-fiction books on plants provided by the instructor or use a book of their choosing pending instructor approval. Guidance will be supplied by the instructor and content will be evaluated with a rubric supplied to students in advance. The academic integrity of the final version of the review paper will be assessed by submission to **Turnitin**. This assignment must be submitted using Moodle by Tuesday July 3, 2018 at 5 pm MT.

Field trips. Students will participate in a plant survey in the Ambrose Eco-reserve during class time and will visit a grocery store of their choosing for Supermarket Botany.

Access to a tablet or laptop will be useful in class and is recommended.

### Attendance:

Class members are expected to attend and participate in all scheduled class meetings. As well, pre-class preparation is a requirement of all participants (readings, written work, assignments) and will help ensure success on course exams. Allocated marks will not be awarded if a student is absent from any presentation or exam without notice and sufficient reason. Points lost through excused absence can be discussed with the instructor and suitable alternate arrangements made at the instructor's discretion.

### Grade Summary:

Assignments	30%
Midterm:	20%
Final	30%
Critical Book Review	<u>20%</u>
	100%

The available letters for course grades are as follows:

<u>Letter Grade</u>	<u>Description</u>	<u>Percentages %</u>	<u>Letter Grade</u>	<u>Description</u>	<u>Percentages%</u>
<u>A+</u>		<u>90-100</u>	<u>C+</u>		<u>64-66</u>
<u>A</u>	<u>Excellent</u>	<u>85-89</u>	<u>C</u>	<u>Satisfactory</u>	<u>60-63</u>
<u>A-</u>		<u>80-84</u>	<u>C-</u>		<u>56-59</u>
<u>B+</u>		<u>75-79</u>	<u>D+</u>		<u>53-55</u>
<u>B</u>	<u>Good</u>	<u>71-74</u>	<u>D</u>	<u>Minimal Pass</u>	<u>50-52</u>
<u>B-</u>		<u>67-70</u>	<u>F</u>	<u>Failure</u>	<u>Below 50%</u>

Because of the nature of the Alpha 4.00 system, there can be no uniform University-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously.

Late assignments may be accepted at the instructor's discretion if contact and arrangements are made. A late penalty of 5% per day may be applied.

Please note that final grades will be available on student registration system. Printed grade sheets are not mailed out.



## Ambrose University Academic Policies:

### Communication

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, they will need to forward all messages from the Ambrose account to another personal account.

### Registration

During the **Registration Revision Period** students may enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty or record. Courses should be added or dropped on the student portal by the deadline date; please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a "Request to Withdraw from a Course" form or by sending an email to the Registrar's Office by the **Withdrawal Deadline**; please consult the List of Important Dates on the my.ambrose.edu website. Students will not receive a tuition refund for courses from which they withdraw after the Registration Revision period. A grade of "W" will appear on their transcript.

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

### Exam Scheduling

Students, who find a conflict in their exam schedule must submit a Revised Examination Request form to the Registrar's Office by the deadline date; please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) the student has three final exams within three consecutive exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4) extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

### Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to use electronics for purposes unrelated to the course during a class session. Turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. Some professors will not allow the use of any electronic devices in class. The professor has the right to disallow the student to use a

laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please speak with the professor before the class begins.

### Academic Policies

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information (information about an individual that may be used to identify that individual) may be required as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).

### Extensions

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a course Extension from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the deadline date; please consult the List of Important Dates. Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

### Appeal of Grade

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Registrar's Office in writing and providing the basis for appeal within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal. If the appeal is sustained, the fee will be refunded.

### Academic Integrity

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to acknowledge to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

**Note:** Students are strongly advised to retain this syllabus for their records.