

INDIGENOUS ETHNOBOTANY BIOL 3012

Instructor: Dr. Peter Lee (pflee@lakeheadu.ca)

Lab technician: Kristi Dysievick (kedysiev@lakeheadu.ca)

Lecture: Monday and Wednesday 5:30 - 6:30

Location: AT1003

Suggested Texts:

Marles, R.J., Clavelle, C., Monteleone, L., and D. Burns. 2008. Aboriginal Plant Use in Canada's Northwest Boreal Forest. Natural Resources Canada. 369pp.

Judd, W.S., Campbell, C.S., Kellogg, E.A., Stevens, P.F., and M.J. Donoghue. 2016. Plant Systematics: A Phylogenetic Approach. Fourth Edition. Sinauer Associates, Sunderland, MA, USA. 678 pp.

Student Code of Conduct:

“A breach of Academic Integrity is a serious offence. The principle of Academic Integrity, particularly of doing one’s own work, documenting properly (including use of quotation marks, appropriate paraphrasing and referencing/citation), collaborating appropriately, and avoiding misrepresentation, is a core principle in university study. Students should view the Student Code of Conduct- Academic Integrity - for a full description of academic offences, procedures when Academic Integrity breaches are suspected and sanctions for breaches of Academic Integrity”

At this time provincial regulations require that all students and instructors must wear a mask

Late Submission Policy

All course work must be submitted no later than the due date in order to receive full marks. Late work will be accepted, however a deduction of 10% per day (cumulative; including weekends) will be applied to the final grade of assigned work.

LECTURE OUTLINE, ABORIGINAL ETHNOBOTANY, BIOL 3012

Week of:	Topics	Reference Source
Sept. 7	Course Introduction, Ethnobotany and First Nations, Ethnobotany history	
Sept. 13 Sept. 20	Holistic approach of Anishinaabe to Botany Anishinaabe Plant Classification; comparison to Linneus approach	Davidson-Hunt Davidson-Hunt et al
Sept. 27	Plant Taxonomy Basics	Judd, Chapters 4,5
Oct. 4	Traditional Plant Foods of Indigenous Peoples, Selected Examples, Term Test 1	Judd, Chapter 8, Marles

FALL READING WEEK, NO CLASSES OCT. 11-15

Oct. 18	Traditional Plant Foods of Indigenous Peoples, Selected Examples	Judd, Chapter 8, Marles
Oct. 25	Medicinal Plants of Indigenous Peoples Selected Examples	Judd, Chapter 8, Marles
Nov. 1	Medicinal Plants of Indigenous Peoples Selected Examples, Term Test 2	Judd, Chapter 8, Marles
Nov. 8	Use of Plants by Indigenous Peoples for Utilitarian Purposes, Selected Examples	Judd, Chapter 8, Marles
Nov. 15	Use of Plants by Indigenous Peoples for Utilitarian Purposes, Selected Examples	Judd, Chapter 8, Marles
Nov. 22	Use of Plants by Indigenous Peoples for Utilitarian Purposes, Term Test 3	Judd, Chapter 8,

LAB COURSE OUTLINE, ABORIGINAL ETHNOBOTANY, BIOL 3012

Week of:	Laboratory Exercise
Sept. 7	Plant collection
Sept.13	“Three Sisters”, set up in the greenhouse
Sept.20	Taxonomy of Selected Plant Families used for Food (Rosaceae, Poaceae, Typhaceae)
Sept. 27	Taxonomy of Selected Plant Families used for Food (Typhaceae, Grossulariaceae, Ericaceae, Pyrolaceae, Curcubitaceae)
Oct. 4	Taxonomy of Selected Plant Families used for Medicine (Asteraceae, Acoraceae, Araliaceae, Lamiaceae, Aristolochiaceae); Quiz on taxonomy labs 1&2.

FALL READING WEEK, NO CLASSES OCT. 11-15

Oct. 18	Taxonomy of Selected Plant Families used for Utilitarian Purposes (Cupressaceae, Oleaceae, Betulaceae, Pinaceae, Aceraceae, Papaveraceae)
Oct. 25	Taxonomy Test
Nov. 1	Screening methods used for Medicinal Plants (antioxidant lab)
Nov. 8	Presentation (Plant Projects)
Nov.15	Takedown of “Three Sisters”
Nov.22	Three Sister Formal report work period
Nov. 29	Dye Lab

Mark allocation

Marks for this course are as follows:

LABORATORY	50%
LECTURE	50%
COURSE TOTAL	100%

The **lecture component** will be evaluated as follows:

Term Test 1	12%
Term Test 2	12%
Term Test 3	12%
Plant Project	14%

All term tests will be written during class time. Test formats are normally short answer, multiple-choice and fill in the blanks. If a test is missed, it will have to be made up **and the format will normally be an essay.**

The poster and presentation is a group assignment and must involve an aspect of Aboriginal Ethnobotany that is focused on North America. **Consult with Dr. Lee to have your potential topic approved BEFORE starting.**

Briefly, this project involves you using herbarium data provided to develop a research project and presenting your project to the class and guest judges. A marking rubric will be posted on Desire to Learn (D2L). **You will also be required to critic fellow students presentations**

The **laboratory component** will be evaluated as follows:

Quiz	5%
Taxonomy Test	15%
Three Sisters Report	15%
Antioxidant assignment	10%
Dye Lab	5 %
