

BIOL 310 —Ethnobotany (4 credits)

Alexey Shipunov

Fall 2018



SYLLABUS

Class Dates : August to December, 2018

Course Description :

The field of ethnobotany studies the **uses of plants by humans**. This course focuses on the diversity of plant uses, covering approaches of diverse cultures, including introduction to medicinal plants, plant uses specific to North Dakota, and Native American plant use. Students will participate in field trips, perform individual project and demonstrate their knowledge in a classroom presentations. Laboratories will concentrate on plant collection, cultivation, identification and databases.

Ethnobotany is MSU General Education IP1 (Interconnecting Perspectives – Knowledge) class.

Central Concepts :

The course relies on the pre-existed knowledge of botany (Biology 154) and covers all aspects of plant use.

Learning outcomes :

(1) students will have integral picture of plant uses and their respective cultural background /histories; (2) will be able to analyze information accompanying different plant-based products (including pharmaceutical); (3) will know basic principles of plant cultivation, useful plant identification and survival based on plant use.

Instructor : Dr. Alexey Shipunov

Office : Moore 229, or University Greenhouse

Office Hours : Any time agreed on by appointment; also, my office door is always open to students

Phone : 858-3116

E-mail : alexey.shipunov@minotstateu.edu — this is the highly preferable way of communication

Lectures : Mondays, Wednesdays and Fridays, Moore 213

Textbook : None.

Reference texts : Several reference texts will be made available on-line. However, lectures are the main source of information. In addition, every student must read and memorize main concepts from the **Introductory Botany** textbook. These will be reviewed on the first exam.

Web site : http://ashipunov.info/shipunov/school/biol_310/

Please note that lecture slides from the Web site are **not** containing all information which is given on lectures.

Laboratories : Thursdays, outdoor field trips or Moore 213. There are six outdoor trips involving transportation within and/or out of town (three for every student, each trip counts as a double lab) which could last longer.

For the purpose of field trips, class is divided into **two sub-sections**. Your sub-section has a field trip every second week from September to the first half of October. Within the sub-section, we **work in pairs**. Apart from the field trip, **each pair have a weekday duty** of collection management. On Sundays, I will be on duty myself.

Grading : **Four** equal exams are given during the semester. Only the **three best exams** contribute to the final grade. Missed exams count zero points. There are **no make-up** exams.

There are five legitimate reasons for absence from exams and labs: (1) emergency situations, (2) attested medical conditions, (3) military duty, (4) participation in MSU sports events, and (5) dependent sick leave. Absence from exams or laboratories must be announced to the instructor in advance.

Receiving zero points for more than one laboratory results in a failed course. Grading of laboratories is based either on reports or on the plant collection performance. Written reports are prepared and finished during laboratory sessions and passed to the instructor right after the particular laboratory session.

Every Wednesday lecture will start from a short presentation(s) and eating of cultivated plant. Every student in a class will have a project including this presentation. Presentation is mandatory and counted as a fifth exam.

Points are distributed as follows (grading points may vary):

Three best exams : ≤ 300 points

Presentation : ≤ 100 points

Laboratories : ≤ 200 points

Letter Grades : A $\geq 90\%$, B $\geq 80\%$, C $\geq 70\%$ D $\geq 60\%$, F $< 60\%$ of a total.

Tentative Course Schedule and Important Dates : *Please note that the schedule is a subject to change. Only exam dates are fixed.*

Week 1	Introduction, classification, main food source plants; field trip
Week 2	Main food source plants; field trip
Week 3	Main food source plants
Week 4	Main food source plants; field trip
Week 5	1st exam: September 17 (includes Introductory Botany concepts)
"	Main food source plants; field trip
Week 6	Main food source plants; centers of origin;; field trip
Week 7	Sugar and oil plants; field trip
Week 8	Medicinal plants; indoor lab
"	Assessment Day: October 8
Week 9	2nd exam: October 15
"	Medicinal plants; indoor lab
Week 10	Medicinal plants
Week 11	Medicinal plants
Week 12	Medicinal plants
Week 13	3rd exam: November 14
"	Aromatic plants (herbs and spices); indoor lab
Week 14	Fruit and vegetable plants
Week 15	Harmful plants; technical plants; indoor lab
Week 16	Ornamental plants
4th Exam: Thursday, December 13th, 12:00 pm, Moore 213	

University Policies

University Sanctioned Events Policy

Minot State University has a commitment to students who represent the University in official capacities. University-sanctioned activities include events that are required or encouraged by a class, program, club, or athletic team. When a student has a scheduled absence due to a university-sanctioned activity, it is the student's responsibility to communicate with the faculty member prior to his or her absence.

Faculty members should have a procedure for student absences in each syllabus that details the method and advance time for students to communicate their absence. If a student notifies the professor in accordance with the faculty member's policy, students should be allowed to complete class work. If a student does not communicate with the faculty member in advance of the absence, it is up to the faculty member's discretion whether to allow the student to complete the work. If disputes arise with this policy within the semester, students should contact in progressive order, the faculty member, department chair, Assistant Vice President for Academic Affairs, and Vice President of Academic Affairs.

Academic Honesty Policy with Penalty for Violating the Policy

See the information in the Undergraduate Catalog and in the Graduate Catalog; also see the Student Handbook.

Disability Statement

In coordination with the Disability Support Service, reasonable accommodations will be provided for qualified students with disabilities (LD, Orthopedic, Hearing, Visual, Speech, Psychological, ADD/ADHD, Health Related, TBI, PTSD and Other). Please meet with the instructor during the first week of class to make arrangements. Accommodations and alternative format print materials (large print, audio, disk or Braille) are available through the Disability Support Service, located on campus in the lower level of Lura Manor, or by calling 701-858-3371 or by e-mail at evelyn.klimpel@minotstateu.edu.

Non-discrimination Statement

Minot State University subscribes to the principles and laws of the state of North Dakota and the federal government pertaining to civil rights and equal opportunity, including Title IX of the 1972 Education Amendments. Minot State University policy prohibits discrimination on the basis of race, gender, religion, age, color, creed, national or ethnic origin, marital status, sexual orientation, gender identity, or disability in the recruitment and admission of students and the employment of faculty, staff, and students, and in the operation of all college programs, activities, and services. Evidence of practices which are inconsistent with this policy should be reported using the Student Complaint and Anti-Discrimination Form located here: <https://form.jotform.com/72996849416981>.

Title IX Statement

Title IX policies help protect/assist students who have experienced sexual discrimination or violence.

In the event that you choose to write or speak about having survived sexualized violence, including rape, sexual assault, dating violence, domestic violence, or stalking, Minot State University policy requires that, as your instructor, I share this information with Lisa Dooley, Title IX coordinator. Lisa or one of the Deputy Title IX coordinators will contact you to let you know about accommodations and support services at MSU as well as options for holding accountable the person who harmed you. You are not required to speak with them.

If you do not want the Title IX coordinator notified, instead of disclosing this information to your instructor, you can speak confidentially with the following people on campus and in the community. They can connect you with support services and help explore your options now, or in the future:

- MSU Counseling Center, 701 858 3371
- 24-7 Crisis Center and Shelter: Domestic Violence Crisis Center, 701 548 2480
- 24-7 Rape Crisis Line: Domestic Violence Crisis Center, 701 857 2500
- Campus Ministry (Wellness Center, 2nd floor)