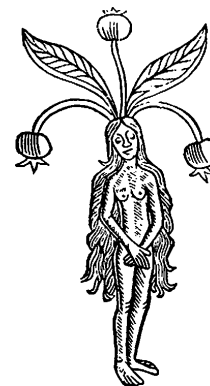


# BIOL 310 —Ethnobotany (4 credits)

Alexey Shipunov

Fall 2016



## SYLLABUS

**Class Dates** : August to December, 2016

### 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.

### Central Concepts :

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

**Instructor** : Dr. Alexey Shipunov

**Office** : Moore 229

**Office Hours** : Mondays, Wednesdays and Fridays, 11 a.m. to 12 p.m.

**Phone** : 858-3116

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

**Lectures** : Mondays, Wednesdays and Fridays, 1:00 p.m. to 1:50 a.m., Moore 213

**Textbook** : None.

**Reference texts** : Several reference texts will be 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/](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 8:30 a.m. (field trip) or 9 a.m. (indoor) to 11:50 a.m. (indoor), J parking lot 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 can be earned are distributed as follows (grading points may vary):

**Three best exams** :  $\leq 240$  points (assuming 80 points per exam)

**Presentation** :  $\leq 80$  points

**Laboratories** :  $\leq 240$  points (20 points per indoor lab  $\times$  6 labs, 40 points  $\times$  3 field trips which count as double labs)

**Letter Grades** : A  $\geq 90\%$ , B  $\geq 80\%$ , C  $\geq 70\%$  D  $\geq 60\%$ , F  $< 60\%$  of a total. A minimum of one letter grade will be deducted from the grade for academic dishonesty / plagiarism.

**Minot State University interpersonal abuse statement (Title IX)** : Minot State University strives to create a campus community free from interpersonal abuse including sexual misconduct. In working to achieve this intent, Minot State University commits to: taking action to stop sexual misconduct; taking action to remedy its effects by providing advocacy, support and appropriate referral services for recipients of the behavior; taking action to prevent recurrences; educating individuals and promoting discussions on interpersonal abuse and violence; and conducting impartial investigation of all reports/notices of sexual misconduct through fair, equitable and prompt procedures. Investigations will be independent of and separate from law enforcement investigations of criminal activity.

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

Week 1	Aug 24, 26	Introduction, classification, main food source plants; no lab
Week 2	Aug 29, 31, Sep 2	Main food source plants; Lab 1–2/1 (field trip, LID 205)
Week 3	Sep 7, 9	Main food source plants; Lab 1–2/2 (field trip, LID 206)
"		<b>1st exam: September 12</b> (includes Introductory Botany concepts)
Week 4	Sep 14, 16	Main food source plants; Lab 3–4/1 (field trip, LID 207)
Week 5	Sep 19, 21, 23	Main food source plants; Centers of origin; Lab 3–4/2 (field trip, LID 208)
Week 6	Sep 26, 28, 30	Sugar and oil plants; Lab 5–6/1 (field trip, LID 209)
Week 7	Oct 3, 7	Sugar and oil plants; Lab 5–6/2 (field trip, LID 210)
"		<b>2nd exam: October 10</b>
Week 8	Oct 12, 14	Fruit and vegetable plants; Lab 7 (indoor)
Week 9	Oct 17, 19	Fruit and vegetable plants; no lab
Week 10	Oct 24, 26, 28	Aromatic plants (herbs and spices); Lab 8
Week 11	Oct 31, Nov 2, 4	Medicinal plants; Lab 9
"		<b>3rd exam: November 7</b>
Week 12	Nov 9	Medicinal plants; no lab
Week 13	Nov 14, 16, 18	Medicinal plants; Lab 10
Week 14	Nov 21, 23	Medicinal plants; no lab
Week 15	Nov 28, 30, Dec 2	Harmful plants; technical plants; Lab 11
Week 16	Dec 5, 7, 9	Ornamental plants; Lab 12
		<b>4th Exam: Thursday, December 15th, 12:00 pm–1:50 pm, Moore 213</b>