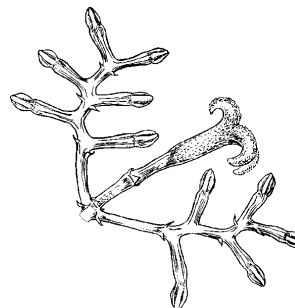


BIOL 448—Systematic Botany (4 credits)

Alexey Shipunov

Fall 2017



SYLLABUS

Class Dates : August to December 2017

Course Description : Systematic Botany will cover a diversity of North Dakota plants. We will learn the most important plant families of the state, determine most common plant genera and species, with the emphasis on plants of ecological, economical and cultural importance. While we still have living plants outdoor, the labs will be field trips, with a main goal of herbarium collection. As winter approaches, we will move to the indoor databasing and collection management.

Please note that Systematic Botany is a strictly practical, field-oriented class.

Instructor : Dr. Alexey Shipunov

Office : Moore 229

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

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Lectures (seminars) : Mondays, Wednesdays and Fridays, 1:00 p.m. to 1:50 p.m., Moore 213. Most of the time will be devoted to plant determination. From the middle of October, these hours will be shifted to the “lab” time (Tuesdays). In addition, Monday seminar hours will be mostly used on Fridays in the second half of semester; therefore, we will not meet on Monday.

Textbook : **None**. However, we will use multiple manuals for plant determination and botany reference books, on-line and off-line. Most important is an on-line “Flora of North Dakota: Checklist”.

Web site : http://ashipunov.info/shipunov/school/biol_448/. While lecture slides will be made available on the Web site, they will **not** contain all information given on lectures.

Laboratories : Tuesdays from 12:30 p.m as a field trip involving transportation within and/or out of town (approximately 6 hours every week from August to the beginning of October), 6 trips in total. Each trip is counted as double lab.

Apart from the field trip, there will be a **weekday duty** of collection management. On Sundays, I will be on duty myself.

Grading :

Four exams are given. Missed exams count zero points. There is a possibility to **one make-up** exam. Exams will be based on plant identification and herbarium presentation.

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. Same is true for exams: two failed exams mean the failed class. Grading of laboratories is based on reports, collection performance, and/or drawings. Field trips might be graded with a delay because you will need to finalize your collection first.

I strongly recommend to attend lectures (seminars) regularly. Without training in plant determination, you will not pass exams. All determined plants must be signed with me.

A total of ≈ 640 points (the actual total could be different) can be earned. Points will be distributed as follows (values may vary):

Four best exams : ≈ 400 points.

Laboratories : 240 points (40 points per field trip)

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.*

Field trip labs are numbered with prospective location IDs (LIDs).

Week 1	Aug	Intro
Week 2	Aug-Sep	Families; trip to LID 221
Week 3	Sep	Families; trip to LID 222
"		1st exam: September 13
Week 4	Sep	Compositae; trip to LID 223
Week 5	Sep	Compositae; trip to LID 224
Week 6	Sep-Oct	Gramineae; trip to LID 225
Week 7	Oct	Gramineae; trip to LID 226
"		2nd exam: October 10
Week 8	Oct	Cyperaceae, Juncaceae, Typhaceae
Week 9	Oct	Cyperaceae, Juncaceae, Typhaceae
Week 10	Oct	<i>Salix</i> , <i>Chamaesyce</i> and <i>Equisetum</i> , Caryophyllales
Week 11	Nov	Caryophyllales
"		3rd exam: November 7
Week 12	Nov	Rosanae and Malvanae
Week 13	Nov	Rosanae and Malvanae, Labiatae
Week 14	Nov	Labiatae, smaller families
Week 15	Nov-Dec	smaller families
Week 16	Dec	smaller families
		4th Exam: Tuesday December 12, 12 a.m., Moore 213