



# SYLLABUS

## ENR 4610

Natural History of Ohio (3 credits)

Spring 2019

### COURSE OVERVIEW

#### Instructor

Instructor: Susan M. Rasche

Email address: [rasche.4@osu.edu](mailto:rasche.4@osu.edu)

Phone number: 614-565-8568 (cell)

Office hours: 384 Kottman Hall, T/Th 2:30 – 3:30 pm, and by appointment

#### Couse meetings

**Days:** Wednesdays

**Time:** 2:20 – 5:00 PM

**Location:** 107A Heffner Building, 352 W Dodridge St., Columbus, Ohio 43202

#### Course description

This course will help students develop a broad understanding of Ohio's native plants and animals, Ohio's geology and geography, and the interrelationships between and among them. Students will develop research and observational skills associated with Ohio's natural history.

#### COURSE FORMAT

Classes will be a combination of lectures and field trips. Discussion and questions are welcome; you sit amongst a synergistic group of your peers. Remember; always have a passion for what you are learning!

## COURSE GOALS

Upon completion of this course, students should be able to:

- Understand the abiotic and biotic components of Ohio's natural history
- Understand the relationship between the abiotic and biotic components of Ohio's ecosystems, including the influence of man
- Identify a range of Ohio species and landforms

## COURSE LEARNING OUTCOMES

By the end of this course, students should successfully be able to:

- describe and explain Ohio's geologic and climatic history and their influence on plant and animal communities
- identify and describe the ecology of Ohio's common ecosystems and identify the plants and animals which inhabit them
- study the influence of man on the natural history of Ohio

## COURSE MATERIALS AND TECHNOLOGIES

### Textbooks (REQUIRED)

- Michael B. Lafferty ed. 2003. Ohio's Natural Heritage. The Ohio Academy of Science. Columbus, Ohio (NOTE: any edition will be acceptable, including CD)
- Kaufman, Kenn et al. 2015. Kaufman Field Guide to Nature of the Midwest. Houghton Mifflin Harcourt.

### Course technology

For help with your password, university e-mail, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24x7.

- **Self-Service and Chat support:** <http://ocio.osu.edu/selfservice>
- **Phone:** 614-688-HELP (4357)
- **Email:** [8help@osu.edu](mailto:8help@osu.edu)
- **TDD:** 614-688-8743

## REQUIRED SOFTWARE

- [Microsoft Office 365](#): All Ohio State students are now eligible for free Microsoft Office 365 ProPlus through Microsoft's Student Advantage program. Full instructions for downloading and installation can be found <https://ocio.osu.edu/kb04733>.

## ASSIGNMENTS AND GRADING

### How your grade is calculated

ASSIGNMENT	POINTS
Attendance (10 points each)	120
Midterm Exam 1 (Jan 30)	190
Midterm Exam 2 (Mar 6)	190
Plot Study (Apr 17) To be completed by a team of two students	300
Final Exam (Apr 24, 4 – 5:45 pm)	200
<b>Total</b>	<b>1000</b>
<i>Extra Credit Field Trip (Apr 6 – 7 or Apr 13 – 14)</i>	<i>100</i>

See course schedule, below, for due dates.

### Grading scale

93–100: A	80–82.9: B-	67 –69.9: D+
90–92.9: A-	77–79.9: C+	60 –66.9: D
87–89.9: B+	73–76.9: C	Below 60: E
83–86.9: B	70 –72.9: C-	

## PARTICIPATION AND ATTENDANCE

### Student participation requirements

Attendance and punctuality are required and expected. If you need to miss a class, please inform me in advance or have a written excuse for your absence from the Student Health Center. If you miss a class, you are responsible for copying the notes from a fellow classmate and then seeing me if you have any questions. If you have an unexcused absence for a presentation or exam, your grade will be entered as a zero.

## OTHER COURSE POLICIES

### Policies for this course

- Tests will cover both lecture and text material. Makeup tests will be offered only under extreme circumstances.
- Assignments are due at the beginning of class on the assigned date. Late assignments will be devalued by 5% of their grade per day, including weekends.
- Writing skills ALWAYS count! Points will be taken off for poor composition and poor spelling.
- Please make sure you cite and give credit for ALL material you use in your work, including that which is gathered from the internet.
- Faculty rule 3335-5-54 will be followed in the case of academic misconduct. Basically, don't cheat, don't plagiarize, and don't be foolish enough to think I will let these kinds of actions slide.

### OHIO STATE'S ACADEMIC INTEGRITY POLICY

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the University's *Code of Student Conduct*, and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the University's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University, or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's *Code of Student Conduct* is never considered an "excuse" for academic misconduct, so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.

**If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct.** If COAM determines that you have violated the University's *Code of Student Conduct* (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- The Committee on Academic Misconduct web pages ([COAM Home](#))
- *Ten Suggestions for Preserving Academic Integrity* ([Ten Suggestions](#))
- *Eight Cardinal Rules of Academic Integrity* ([www.northwestern.edu/uacc/8cards.htm](http://www.northwestern.edu/uacc/8cards.htm))

## Copyright disclaimer

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

## Statement on title IX

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

## Your mental health

A recent American College Health Survey found stress, sleep problems, anxiety, depression, interpersonal concerns, death of a significant other and alcohol use among the top ten health impediments to academic performance. Students experiencing personal problems or situational crises during the quarter are encouraged to contact the College of Pharmacy Office of Student Services in room 150 Parks Hall (614-292-5001) OR OSU Counseling and Consultation Services (614-292-5766) for assistance, support and advocacy. This service is free and confidential.

## ACCESSIBILITY ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

### Requesting accommodations

If you would like to request academic accommodations based on the impact of a disability qualified under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, contact your instructor privately as soon as possible to discuss your specific needs. Discussions are confidential.

In addition to contacting the instructor, please contact the Student Life Disability Services at [614-292-3307](tel:614-292-3307) or [ods@osu.edu](mailto:ods@osu.edu) to register for services and/or to coordinate any accommodations you might need in your courses at The Ohio State University.

Go to <http://ods.osu.edu> for more information.

## COURSE SCHEDULE

Date	Topics & Speakers	Readings, Assignments, Deadlines
<b>Wed, Jan 9</b>	Introduction (2:20 – 2:55 pm)	<b>READ</b> Chapters 1, 4, & 17; Field Guide pgs 5-7
	Geology – Dennis Hull, <a href="mailto:hull.135@osu.edu">hull.135@osu.edu</a> (3 – 5 pm)	<b>READ</b> Chapter 2; Field Guide pgs 8-17
<b>Wed, Jan 16</b>	Weather - Ben Gelber, <a href="mailto:BGelber@wemh.com">BGelber@wemh.com</a> (2:20 – 3:55 pm)	<b>READ</b> Chapter 5; Field Guide pgs 18-39
	Pleistocene – Dr. Dale Gnidovec, <a href="mailto:gnidovec.1@osu.edu">gnidovec.1@osu.edu</a> (3:40 – 5 pm)	<b>READ</b> Chapter 3
<b>Wed, Jan 23</b>	Soils and Wetlands - David Hanselmann, <a href="mailto:hanselmann.3@osu.edu">hanselmann.3@osu.edu</a> (2:20 – 3:20 pm)	<b>READ</b> Chapter 6
	Ohio's Unique Natural History – Guy Denny & Jennifer Windrus, <a href="http://www.onapa.org">www.onapa.org</a> (3:30 – 4:45 pm)	<b>READ</b> Chapters 9 – 15, 18, & 19; Field Guide pgs 40-47
	Review (4:45 – 5 pm)	
<b>Wed, Jan 30</b>	<b>MIDTERM EXAM 1</b>	Covers: Chapters 1-6, 9-15, 17-19; Field Guides pgs 5-47, 394-401; January lectures
<b>Wed, Feb 6</b>	Arthropods – Dr. George Keeney, <a href="mailto:keeney.1@osu.edu">keeney.1@osu.edu</a> (2:20 – 3:35 pm)	<b>READ</b> Field Guide pgs 322 – 391
	Fish – Brian Zimmerman, <a href="mailto:zimmerman.205@osu.edu">zimmerman.205@osu.edu</a> (3:40 – 5 pm)	<b>READ</b> Chapter 8; Field Guide pgs 298 – 321
<b>Wed, Feb 13</b>	Amphibians and Reptiles – TBD (2:20 – 3:30 pm)	<b>READ</b> Field Guide pgs 276 – 297)
	Birds – Matt Shumar, <a href="mailto:matthewbshumar@gmail.com">matthewbshumar@gmail.com</a> (3:30 – 5 pm)	<b>READ</b> Field Guide pgs 208 – 275
<b>Wed, Feb 20</b>	<b><u>Offsite Field Trip – The Ohio History Center</u></b> Brad Lepper, <a href="mailto:blepper@ohiohistory.org">blepper@ohiohistory.org</a> (2:20 – 5 pm)	<b>READ</b> Chapter 16
<b>Wed, Feb 27</b>	<b><u>Offsite Field Trip – Wildlife Center</u></b> Mammals – Stormy Gibson, <a href="mailto:sgibson@ohiowildlifecenter.org">sgibson@ohiowildlifecenter.org</a> (2:20 – 5 pm)	<b>READ</b> Field Guide pgs 186 – 207
<b>Wed, Mar 6</b>	<b>MIDTERM EXAM 2</b>	Covers: Chapter 16; Field Guide pgs 186 – 391; February lectures; Fauna ID

Date	Topics & Speakers	Readings, Assignments, Deadlines
<b>NO CLASS, Spring Break</b>		
<b>Wed, Mar 20</b>	Mushrooms – Julie Powell Albright, <a href="mailto:juliepowell16@yahoo.com">juliepowell16@yahoo.com</a> , <a href="http://www.morethanmorelmushrooms.co/home">www.morethanmorelmushrooms.co/home</a> (2:20 - 3:35 pm)	
	Non-flowering plants – Dr. Bob Klips, <a href="mailto:klips.1@osu.edu">klips.1@osu.edu</a> (3:45 – 5 pm)	<b>READ</b> Field Guide pgs 166-185
<b>Wed, Mar 27</b>	Trees – Dave Apsley, <a href="mailto:apsley.1@osu.edu">apsley.1@osu.edu</a> & Andrew Boose, <a href="mailto:boose@metroparks.net">boose@metroparks.net</a>	<b>READ</b> Chapter 7; Field Guide pgs 114 – 165
<b>Wed, Apr 3</b>	Wildflowers – Carrie Morrow, <a href="mailto:morrow@metroparks.net">morrow@metroparks.net</a>	<b>READ</b> Field Guide pgs 48 – 113
<b>Sat/Sun Apr 6 &amp; 7 OR Apr 13 &amp; 14</b>	<b>Extra Credit Offsite Field Trip – Highland’s Nature Sanctuary and Surrounding Area</b>	
<b>Wed, Apr 10</b>	<b><u>Offsite Field Trip – Big Darby Metroparks</u></b> Streams – Debbie Ruppensburg, <a href="mailto:ruppensburg@metroparks.net">ruppensburg@metroparks.net</a>	<b>READ</b> Field Guide pgs 362 & 3, 392 & 3
<b>Wed, Apr 17</b>	<b><u>Offsite Field Trip – Big Darby Metroparks</u></b> Wildflowers – Debbie Ruppensburg	<b>Plot Study DUE</b> <b>Extra Credit DUE</b>
<b>Wed, Apr 24</b>	<b>COMPREHENSIVE ID TEST (4 – 5:45 pm)</b>	Covers: Entire Field Guide and all ID lectures