Instructor of Record
Dr. Michael Tyree
Office: Weyandt 213A
Email: mtyree@iup.edu
Website: www.people.iup.edu/mtyree
Office hours: MWF 9-10am and TR 10-11am (Zoom Only);
Face to face meetings will be by appointment only.

Course Description
Principles of Ecology and Evolution is a 4-credit course divided into 3-credit hour lecture and a 1-credit hour lab. This syllabus covers only the lecture portion of BIOL201. You should contact your lab instructor for the lab portion. This course will introduce the subject of ecology (organisms to ecosystems) and the theory of evolution, including natural selection, population genetics, speciation, and phylogenetic history and systematics of life.

Class Organization
Over the last couple months, we all had to learn to adapt to changes beyond what we may have thought possible. To this end, the lecture portion of this course is being offered through three delivery options and you, as the student, may change your preferred method of delivery at any time. This is my attempt at maximum flexibility.

1. Standard face-to-face lectures (meet in classroom at scheduled time);
2. Completely online (synchronously) through live lectures (login via Zoom at scheduled time);
3. Completely online delivered asynchronously (student will listen to prerecorded lectures).

All content will be delivered either in-class or through D2L and all grades and assessments will be taken, turned in and provided through the D2L.

Student Responsibilities
You are responsible for attending the lectures and labs and spending as much time studying as is necessary to master the material. As a general rule, and depending on the effectiveness of your study habits, you should plan to spend at least 6-10 hours per week studying for this course. This is in addition to the time you spend in lecture and lab. Another of your responsibilities is to ask questions.

Meeting Time & Location
Lecture (Sect A01): MWF 10:10-11:00am in Weyandt Hall, Room 32
Lab: Contact your lab instruction for time and location
BIOL 201  Principles of Ecology & Evolution - Lecture  Fall 2020

Required lecture materials (**contact assigned lab instructor for laboratory requirements**)

1. Access to D2L: this course will utilize D2L to disseminate class schedule, announcements, grades, and course material. Please make sure you have an active account and you know how to access the software (**Come see me if you have questions**).

2. Electronic Textbook: This course will use OpenStax Digital Biology Textbook (ISBN-10: 1-947172-52-2). The eTextbook is free of charge and can be downloaded or accessed from the following website - https://openstax.org/details/books/biology-2e

Grading Categories

50%  **Lecture exams.** There will be 4 lecture exams throughout this course. The 4th exam is worth more points and will have a comprehensive component that will include previous material. All exams are multiple choice, TF, and matching format and will be taken via D2L. You will have three days to start the exam (Friday, Saturday, and Sunday), but the exam will be timed (2 hours) once it is started. You may **not** discuss the content of the exam with any other students until all grades have been posted. You may **not** use notes, lectures, the internet, or any other person as a resource while taking the exam. If your exam is interrupted due to an internet/power outage you should email me immediately so an alternative assignment can be determined. If you are going to miss an exam you must notify me within 48 hours with a valid University Excuse.

   - Exam 1 = 70 points
   - Exam 2 = 70 points
   - Exam 3 = 70 points
   - Exam 4 = 110 points (70 pts cover new material and 40 pts are from previous material)

   **Exam average** = \( \frac{\text{points earned}}{320 \text{ points poss.}} \)

25%  **Assignments, Homework, and Quizzes.** This category is designed to encourage you to stay engaged and keep up with the class. Grades for this category will be calculated as: \( \frac{\text{Pts earned}}{\text{Pts poss}} \). All assessments will be delivered, graded, and posted to D2L regardless of which delivery option you choose.

25%  **Laboratory** Lab grades will be based upon a mix of quizzes, lab reports, and lab exercise summaries. Your lab instructor will email me your final lab grade at the end of the semester. **All lab related questions should be directed to your laboratory instructor.**

**Final grade calculation** = \([\text{Exam avg.} \times 0.5] + [\text{Homework/Quiz avg.} \times 0.25] + [\text{Lab avg.} \times 0.25]\)

**Grading Scale:** > 90%  A; 80 – 89%  B; 70 – 79%  C; 60 – 69%  D ; < 60%  F
**Attendance Policy**
It is your responsibility to attend or listen to online lectures, read assigned chapters, and complete assignments by the due date (See Course Schedule). Due to the nature of the course it is imperative that you keep up to be successful. You will need to have access to a computer with a trusted internet connection so you can take the quizzes before and post assignments prior to due date (times will be clearly posted to D2L). Plenty of time will be provided and no late quizzes or assignments will be accepted (No Exceptions). Please do not wait until the last minute. All graded materials are to be taken only by you and the honor code will be strictly enforced. Attendance is mandatory at all scheduled in-class/virtual meetings. If a student must miss a scheduled meeting, they must provide an Excuse within 48 hours of the missed meeting and they will be given an alternate assessment.

**Classroom Conduct**
It is imperative that we each do our part so that on-campus instruction can continue in a safe and effective manner throughout the semester. You will be asked to clean your desk area at the start of each class, sit in designated seats, wear face coverings, and follow dismissal instructions. Failure to follow instructions in the syllabus or given verbally by the instructor may result in a referral for a violation of the Academic Integrity Policy for classroom disruption.

Students who are medically unable to wear a mask should present documentation from a physician to the Health Service. The Health Service will evaluate and if warranted, issue a letter to the student to present on campus, and copy Disability Access and Advising. Students unable to wear a mask or approved face covering will be asked to participate remotely for their own safety and the safety of others.

Students who experience ANY COVID-19 symptoms (including fever, cough, shortness of breath, fatigue, body aches, headache, sore throat, congestion or runny nose, etc.) should NOT attend class in person and should participate remotely. If symptoms persist be sure to seek medical assistance.

**Zoom Conduct**
This course will use the Zoom platform to deliver instruction and/or enable student interaction at a distance. Our classroom Zoom sessions may be recorded so that students can view past lectures. Participation in this course implies permission for recording to take place. Please be aware that any comments you make in Chat during the live session (even private comments to one another) may become visible in the session recording. Students will be required to use their webcams during lecture and with the mute turned on unless asking or responding to a question.

Think of a Zoom Meeting as a face-to-face meeting and conduct yourself as you would if you were all present in the same room. In addition, there are some additional useful tips below to observe to help ensure the meeting goes smoothly for all involved:

- Join early – up to 5 minutes before the meeting start time.
- If you haven’t used Zoom before, click the link to download Zoom prior to the first day of classes and familiarize yourself with any features you may need to use on the day – mute/unmute microphone, stop/start video, screenshare etc. For video tutorials visit: https://zoom.us/resources
- Find a quiet space without interruptions / background noise or consider using earbuds/headset with an incorporated microphone.
- Mute your microphone for entrance into the meeting and when not talking
- Try to avoid talking over / at the same time as other participants.
- Dress appropriately, as if you were attending class in person - don’t wear your pajamas.
- Make sure everyone in your house or Zoom location dresses appropriately and uses appropriate language.
• Don’t eat during the meeting.
• Don’t do private things during the meeting.
• Silence personal devices, particularly cell phones.

Best Practices
• Have your video on unless you are experiencing connection issues.
• Stage your video area - Keep in mind that people aren’t just seeing you, they’re also seeing whatever the camera is pointed at behind you.
• Have a plain background – avoid backlight from bright windows or other light sources.
• Have good lighting on your face so you can be seen clearly.

Students with disabilities
Disability Support Services, located in 216 Pratt Hall, provides services to students with disabilities of all kinds, including learning, physical, hearing, vision, or psychological. IUP is committed to ensuring equal access to education as intended by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If you have any concerns, please come see me after class or during office hours.

Academic dishonesty
All graded assessments must be completed by only you. You are not permitted to use any other resources (class notes, internet, other people) unless explicitly stated. Plagiarism will not be tolerated. Academic dishonesty (plagiarism, falsification of information, cutting and pasting from web-based resources, etc.) is a serious violation and will result in consequences that affect grades and/or may result in disciplinary charges. Plagiarism is defined as “copying another’s work or portions thereof and/or using ideas or concepts of another and presenting them as one’s own without giving proper credit.”

Reporting of sexual violence
Indiana University of Pennsylvania and its faculty are committed to assuring a safe and productive educational environment for all students. In order to comply with the requirements of Title IX of the Education Amendments of 1972 and the University’s commitment to offering supportive measures in accordance with the new regulations issued under Title IX, the University requires faculty members to report incidents of sexual violence shared by students to the University’s Title IX Coordinator. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred to the person designated in the University Protection of Minors Policy. Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at: www.iup.edu/socialequity/policies/sexual-discrimination-and-sexual-misconduct-resources/
**Tentative Lecture Schedule (subject to change)**

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday lecture</th>
<th>Wednesday lecture</th>
<th>Friday lecture</th>
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<tbody>
<tr>
<td>Wk 3 (Sep 7 - Sep 11)</td>
<td><strong>No Class: Labor Day</strong></td>
<td>Evolution of Populations</td>
<td>Evolution of Populations</td>
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<tr>
<td>Wk 4 (Sep 14 - Sep 18)</td>
<td>Speciation [18.2, 18.3]</td>
<td>Speciation</td>
<td><strong>Exam 1</strong></td>
</tr>
<tr>
<td>Wk 5 (Sep 21 - Sep 25)</td>
<td>Phylogeny and Systematics [20]</td>
<td>Phylogeny and Systematics</td>
<td>Phylogeny and Systematics</td>
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<tr>
<td>Wk 6 (Sep 28 - Oct 2)</td>
<td>Origin of Life [22, 23.1]</td>
<td>Origin of Life</td>
<td>Origin of Life</td>
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<tr>
<td>Nov 23 - Nov 27</td>
<td><strong>No Classes: Thanksgiving Break</strong></td>
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<tr>
<td>Wk 14 (Nov 30 - Dec 4)</td>
<td>Ecosystem Ecology</td>
<td>Global Change Biology [44.5, 47]</td>
<td>Global Change Biology</td>
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<tr>
<td>Wk 15 (Dec 7 - Dec 11)</td>
<td>Global Change Biology</td>
<td><strong>No Class: Finals Week</strong></td>
<td><strong>Exam 4 10:15am - 12:15pm</strong></td>
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*A review session will be held the Wednesday night prior to each exam (Sept 16, Oct 14, Nov 4, Dec 9). Times will be announced.*

**Chapter numbers represent suggested reading from openstax ([https://openstax.org/details/books/biology-2e](https://openstax.org/details/books/biology-2e)). A D2L quiz will be due prior to the start of class in the days shown in blue (above). The brackets represent the chapter sections that will be covered in the quiz.