INSTRUCTOR:
Dr. Michael Moody: 747-5087, mlmoody@utep.edu

COURSE REQUIREMENTS AND ASSIGNMENTS:
Blackboard Modules – Daily Readings, Minilectures, Videos, Questions; Simbio

TEXTBOOK (REQUIRED – EXAM QUESTIONS WILL COME FROM READINGS AND OTHER BB MATERIAL PROVIDED):
- SimBio – Instructions will be provided

COURSE OBJECTIVES:
- Define biological evolution and discuss the rise of modern evolutionary biology
- Apply genetics to evolutionary biology
- Know what conditions are required for natural selection to operate
- Understand natural selection, including models and events shaping molecular evolution
- Apply quantitative genetics to evolutionary biology
- Define adaptations, how they evolve, and understand at what level selection is operating
- Define and understand phylogenetic theory and how to assess phylogenies
- Differentiate between species concepts and understand the mechanisms for speciation

GRADING:
\[^{1}\text{BB questions (Mon. – Wed.; drop two)\text{ 10\%}}\]
\[^{1}\text{SimBio questions (answer all feedback and graded Qs)\text{ 15\%}}\]
\[^{1}\text{EXAMS 1 (Friday June 14, 8 am-10 pm) - Respondus\text{ 20\%}}\]
\[^{1}\text{EXAMS 2 (Friday June 21, 8 am-10 pm) - Respondus\text{ 20\%}}\]
\[^{1}\text{EXAMS 3 (Friday June 28, 8 am-10 pm) - Respondus\text{ 20\%}}\]
\[^{1}\text{EXAMS 4 (Monday July 8, 8 am-10 pm) - Respondus\text{ 15\%}}\]
Total for students: \text{100\%}

\[^{1}\text{BB Questions – Will be available at noon Mon. – Wed. (except Week 4 – Mon.-Tues.). There will be a 24 hr. window to complete with 30 minutes allowed once you begin to answer open book, after which the Questions will close.}\]

*All exams will allow 90 min. for completion within a 14 hour window. No exceptions to these exam windows. EXAMS – RESPONDUS LOCKDOWN BROWSER – REQUIRED

Grades will be assigned as: 90+% = A, 80-89% = B, 70-79% = C, 60-69% = D, <60% = F.
DOWNLOADING THE RESPONDUS LOCKDOWN BROWSER

You will need to download the Respondus Lockdown Browser to take the exams. See the description and link below. When you open Respondus it will provide an Outlook browser window where you will open Blackboard. Don't try to open the exam directly in your current browser open it in the browser provided by the Respondus Lockdown Browser.

LockDown Browser Requirement
This course requires the use of LockDown Browser for online exams. Watch this video to get a basic understanding of LockDown Browser:


Download Instructions
Download and install LockDown Browser from this link:

https://download.respondus.com/lockdown/download.php?id=586140509

USING LOCKDOWN BROWSER - Using the ‘lockdown browser’ is not necessarily intuitive. Please follow the directions below after you have downloaded the APP to take the exam:

You don’t open the exam directly through your browser but through the “Lock Down Browser”. One you have the Respondus Lockdown app downloaded you will need to:

1. Double click the ‘Lock Down Browser’ icon.
2. Window will appear asking “Do you want this app to make changes to your device?” Choose yes.
3. The lockdown browser will open (sometimes a short delay) and lead you to the exam through blackboard.
4. IMPORTANT. You will be asked to show your work area. This means the area where your computer will sit and the entire area you will look at during the exam. I will check the videos of the work area. If these videos do not show the entire work area, it will be considered cheating.
5. Keep your face clearly in view of the camera and looking at the screen. If your face is not in view or you are looking around the room, you will be registered as cheating.

Note: You won't be able to access tests with a standard web browser. If this is tried, an error message will indicate that the test requires the use of LockDown Browser. Simply start LockDown Browser and navigate back to the exam to continue.

Guidelines
When taking an online test, follow these guidelines:

- [If testing is to occur at a designated location, such as a testing center, add those instructions here.]
- [If applicable] Select a location where you won't be interrupted
- Before starting the test, know how much time is available for it, and also that you've allotted sufficient time to complete it
- Turn off all mobile devices, phones, etc. and don't have them within reach
- Clear your area of all external materials - books, papers, other computers, or devices
- Remain at your desk or workstation for the duration of the test
- LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted
Getting Help
Several resources are available if you encounter problems with LockDown Browser:

- The Windows and Mac versions of LockDown Browser have a "Help Center" button located on the toolbar. Use the "System & Network Check" to troubleshoot issues. If an exam requires you to use a webcam, also run the "Webcam Check" from this area.
- [As applicable, insert information about your institution's help desk, including details about how to contact them. Some help desks want students to run the "System & Network Check" and the "Webcam Check" before they are contacted - and even, to forward the results of these checks at the time of opening a ticket.]
- Respondus has a Knowledge Base available from support.respondus.com. Select the "Knowledge Base" link and then select "Respondus LockDown Browser" as the product. If your problem is with a webcam, select "Respondus Monitor" as your product.
- If you're still unable to resolve a technical issue with LockDown Browser, go to support.respondus.com and select "Submit a Ticket". Provide detailed information about your problem and what steps you took to resolve it.
POLICY ON MAKE-UP EXAMINATIONS: No make-up exams will be given for reasons other than extreme illness (doctor’s note required) or when a student is on official University business (documentation required). Make-up exams will be scheduled at the Instructor’s convenience.

POLICY ON ACADEMIC HONESTY: Academic Dishonesty will not be tolerated. It includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Respondus requirements for exams will be strictly upheld and if rules are not followed students will be referred to the Dean of Students. If you have any questions regarding the university policy on scholastic dishonesty please contact the Dean of Students.

PARTICIPATION POLICY: Regular participation will be necessary for success in this class.

POLICY OF ONLINE BEHAVIOR: Any student who disrupts or uses inappropriate online behavior will be warned and/or referred to the Dean of Students.

DISABILITY STATEMENT: If you have a disability and need accommodations, please contact: The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.

MILITARY STATEMENT: If you are a military student with the potential of being called to military service and/or training during the course of the Summer I sessions, you are encouraged to contact me at the beginning of the summer. If you know prior to the Summer I session that you will not be able to complete the course as described, it is recommended you drop and take the course in the Fall or Spring semesters.
<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture Topic</th>
<th>Instructor - Chapter(s)</th>
<th>Question</th>
<th>SimBio</th>
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<tbody>
<tr>
<td>10-Jun Mon</td>
<td>Introduction to Evolution &amp; Genetic Variation</td>
<td>Ch. 2: 37-55; Ch. 5, 148-169</td>
<td>Due 12 noon Tues</td>
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<tr>
<td>11-Jun Tues</td>
<td>Genetic Variation &amp; Hardy-Weinberg Principle</td>
<td>Ch. 5, 169-174; Ch. 6, 179-187</td>
<td>Due 12 noon Wed</td>
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<td>12-Jun Wed</td>
<td>Hardy-Weinberg Principle &amp; selection</td>
<td>Ch. 6, 187-191; Ch. 7, 240-252</td>
<td>Due 12 noon Thurs</td>
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<tr>
<td>13-Jun Thurs</td>
<td>Migration, Genetic Drift, neutral theory, inbreeding</td>
<td>Ch. 7, 253-265; 275-284</td>
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<td>Selection, Drift, H-W Due Thurs. June 13, 11 p</td>
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<td>14-Jun Fri</td>
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<td>Exam 1</td>
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<td>17-Jun Mon</td>
<td>Linkage Diseq &amp; Evol. Sex</td>
<td>Ch. 8, 292-307; 314-325</td>
<td>Due 12 noon Tues</td>
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<td>18-Jun Tues</td>
<td>Quantitative traits and Selection</td>
<td>Ch. 3, 73-97</td>
<td>Due 12 noon Wed</td>
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<td>19-Jun Wed</td>
<td>Selection II – Natural Selection</td>
<td>Ch. 9, 329-334; 350-364</td>
<td>Due 12 noon Thurs</td>
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<td>20-Jun Thurs</td>
<td>Selection III – Sexual selection</td>
<td>Ch. 11, 407-447</td>
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<td>Natural Selection Due Thurs. June 20, 11 pm</td>
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<td>21-Jun Fri</td>
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<td>Exam 2</td>
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<td>24-Jun Mon</td>
<td>Evolutionary Trees &amp; tree thinking</td>
<td>Ch.4, 111-128; 134-140</td>
<td>Due 12 noon Tues</td>
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<td>25-Jun Tues</td>
<td>Evolutionary &amp; Human-pathogen interaction</td>
<td>Ch. 14, 535-552</td>
<td>Due 12 noon Wed</td>
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<td>26-Jun Wed</td>
<td>Mechanisms of Speciation</td>
<td>Ch. 16, 609-614; 616-620</td>
<td>Due 12 noon Thurs</td>
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<tr>
<td>27-Jun Thurs</td>
<td>Mechanisms of Speciation</td>
<td>Ch. 16, 621-640</td>
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<td>Historical BioGeo Due Thurs. June 27, 11 pm</td>
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<td>28-Jun Fri</td>
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<td>Exam 3</td>
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<tr>
<td>1-Jul Mon</td>
<td>The Origins of Life</td>
<td>Chapter 17 &amp; 18</td>
<td>Due 12 noon Tues</td>
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<td>2-Jul Tues</td>
<td>The Origins of Life</td>
<td>Chapter 17 &amp; 18</td>
<td>Due 12 noon Wed</td>
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<td>3-Jul Wed</td>
<td>Human Evolution</td>
<td>Chapter 20</td>
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<td>4-Jul Thurs</td>
<td>UNIVERSITY HOLIDAY</td>
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<td>5-Jul Fri</td>
<td>LONG WEEKEND</td>
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<td>8-Jul Mon</td>
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