BIOL 1408: Biology for non-Science Majors

General Information
College Name: North Lake College
Division: Mathematics and Natural Sciences
Semester/Term & Year: 2019 Summer

Instructor Information
Name: Dr. Matthew Dempsey (Dean of Math and Science)
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Telephone: 972-273-3500
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Website(s): eCampus http://ecampus.dcccd.edu and
North Lake College http://www.northlakecollege.edu
GroupMe: We will be using the GroupMe App for communications. You're invited to join my group You're invited to join my group "Summer 1408" on GroupMe https://groupme.com/join_group/47414074/UNkUcM

Course Information
Course Number: BIOL 1408
Section Number: 76428
Credit Hours: 4
Class Meeting Time: This is an internet course – fully online.
Lecture: INET
Lab: INET
Course Title: Biology for Non-Science Majors I
Course Description: Presentation of biological concepts for the non-science major. Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Laboratory activities will reinforce these concepts. (3 Lec., 3 Lab.)
Coordinating Board Academic Approval Number 2601015103
Course Prerequisites: College level ready in Reading and Writing.
Program Level Objectives: Biology 1408 develops the following objectives from the Texas Higher Education Coordinating Board: Communications (written and visual), critical thinking, empirical and quantitative skills.
Measurable Student Learning Outcomes (SLOs)
Lecture Class Learning Outcomes:
Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction.
Upon successful completion of this course, students will:
- Distinguish between prokaryotic, eukaryotic, plant and animal cells, and identify major cell structures.
- Identify stages of the cell cycle, mitosis (plant and animal), and meiosis.
- Interpret results from cell physiology experiments involving movement across membranes, enzymes, photosynthesis, and cellular respiration.
- Apply genetic principles to predict the outcome of genetic crosses and statistically analyze results.
- Describe karyotyping, pedigrees, and biotechnology and provide an example of the uses of each.
- Identify parts of a DNA molecule, and describe replication, transcription, and translation.
- Analyze evidence for evolution and natural selection.
European History for upper-level Composition Students

Material H:

The primary source for the material is the text "European History for upper-level Composition Students" by John Doe.

This text covers the following topics:

- The Renaissance
- The Reformation
- The Enlightenment
- The Industrial Revolution
- The Napoleonic Wars

The text is structured into chapters, each focusing on a specific period or event. Each chapter contains a summary, key points, and questions for discussion.

The instructor will provide additional resources, including online articles and videos, to supplement the textbook.

Module 1

Chapters 1-5 in the lecture: Best way to approach this is to open the module, print out the learning objectives, read the textbook chapter (make note of the objectives and either write or highlight). Review the power point lecture. Then you should be ready to take a quiz.

Quizzes 1-5 in lecture: These are located at the end of the module in Blackboard. You can take them as many times as you like, but careful your grade will be averaged, so be prepared when you go into them. If you mess up, you just have to retake them to bring up your averages. PS, the Introduction Quiz is factored into this too.

Labs 1-7: These are located at https://labs.latenitelaabs.com see the syllabus for the course ID#.

Lab Practical 1: this will be located in the "Module 1 (CH 1-5)" Un-proctored/timed

Journals 1 & 2: These will be located in the "Journals (1-5)"

Projects 1 & 2: These will be located in "Projects (1-4)"

Mid-term Exam: this will also be located in the Module 1 "(CH 1-5)" Un-proctored/timed

*Everything in Module 1 is due by Wednesday 7/24 at 5PM – NO EXCEPTIONS OR EXTENSIONS.

*A more detailed calendar can be found on Blackboard

*Blackboard announcements overrule the calendar

*The instructor reserves the right to modify this calendar at any time to create the best possible learning environment.

Module 2

Chapters 6-11 in the lecture: Best way to approach this is to open the module, print out the learning objectives, read the textbook chapter (make note of the objectives and either write or highlight). Review the power point lecture. Then you should be ready to take a quiz.

Quizzes 6-11 in lecture: These are located at the end of the module in Blackboard. You can take them as many times as you like, but careful your grade will be averaged, so be prepared when you go into them. If you mess up, you just have to retake them to bring up your averages.
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your averages. PS, the Introduction Quiz is factored into this too.

- **Labs 8-12:** These are located at https://labs.latenitelabs.com see the syllabus for the course ID#
- **Lab Practical 2:** this will be located in the "Module 2 (CH 6-11)" Un-proctored/timed
- **Journals 3, 4, & 5:** These will be located in the "Journals (1-5)"
- **Projects 3 & 4:** These will be located in “Projects (1-4)"
- **Final Exam:** this will also be located in the Module 2 "(CH 6-11)" Un-proctored/timed

*Everything in Module 2 is due by Thursday 8/8 at 5PM – NO EXCEPTIONS OR EXTENSIONS.*
*A more detailed calendar can be found on Blackboard*
*Blackboard announcements overrule the calendar*
*The instructor reserves the right to modify this calendar at any time to create the best possible learning environment.*

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**Required or Recommended Materials**

**Lecture Materials**
- Textbook: (Free!!! PDF via download or $55 hardcopy) – go green and go digital!
  - **Concepts of Biology**, OpenStax College. The textbook can be downloaded for free at https://openstax.org/details/concepts-biology (CLICK HERE) or you may purchase a hard copy on Amazon.com.

**Computer Requirements:** Please have the Microsoft Office Suite. A free copy of Microsoft Office is available to you while you are a DCCCD Student. Please use the following link Click HERE to access that free resource. You should be able to view power point, author documents, hear audio and play MP4 video files. Also you should have a computer that is adequate to run basic blackboard functions. We may have collaborate sessions. While a webcam and mic will enhance your ability to participate, there is a very good chat client that will allow you to participate adequately without those tools.

**Laboratory Materials**
- Virtual Laboratory: ($59.95 online) **Late Nite Labs**. An access code can be purchased in online at https://labs.latenitelabs.com/signin (CLICK HERE)
- Use the following course ID to enroll: 22176689 DEMPESEY 2019SU - NORTHLAKE

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**Evaluation Procedures**

**Lecture Evaluation (70%):** Your lecture is based on a combination of lecture exams, journals, quizzes, surveys etc. – in reality whatever I give you in lecture could be part of your grade configuration. The table below will outline how your grade is calculated. Some important notes:

- Lab is not weighted the same as lecture. This means that you cannot use the MY GRADES section of blackboard to calculate your grade. Do not use MY GRADES section to calculate grades, but it is a good source to see how you did on individual items.
- Pay attention to due dates for quizzes, journals, and all other assignments.
- Additional graded items may be assigned during the semester, however this is unlikely.
- Lecture exams will be given online using the respondus lock-down browser. You are empowered to take them in our testing center if you do not have the capacity to monitor your own environment with your webcam.
- You may propose an alternate location for testing; however, that must be done with approval and may take up to two weeks to complete. The instructor reserves the right of approval in all non-North Lake testing centers.
- Lecture exams are computer based and you will not need additional testing materials.
- Please see the course calendar for due dates for the exams. There is flexibility built in to the course, but in order to promote the best learning experience, the dates for exams are final.
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and non-negotiable. If you encounter a mitigating circumstance that prohibits you from completing your assignments on time you may appeal. First, you must have extreme circumstances. Secondly it must be extensively documented. Third, if extra time is warranted, the attempt will not be eligible for curve, bonus, or retaking. Exams and assignments are to be completed on-time, without exception. Should unusual circumstances arise, regardless of their nature, they must be well documented, subject for interpretation, and extreme.

SOME ADDITIONAL GRADING NOTES:

- Each exam may be taken twice, with your grade the average of those two attempts. If you score lower on the 2nd attempt, it will lower your grade.
- Each unit quiz has unlimited attempts. Your grade will be the average all attempts.
- Quizzes, journals, etc. are due at the same due date of corresponding exams.
- Journals will be strictly graded according to the rubric provided. Please follow those instructions carefully. Plagiarism will be severely punished.

Bonus opportunities may be possible. Check announcements or ask about opportunities.

Grading Scale  
Lecture 70% + Lab 30% using the following scale.
90-100=A  
80-89=B  
70-79=C  
60-69=D  
59 and below=F
*Rounding to the nearest whole number using 0.5.

Exams and Assignments  
12 Quizzes (20pts each – based on average number of attempts) = 240pts
12 Labs (20pts each – score based on pct. of questions right) = 240pts
4 Projects (20pts each) = 80pts
5 Journals (15pts ea + Journal 4 is 40pts – detailed rubric in assignment) = 100pts
2 Lab Practical (70pts each – timed / not proctored) = 140pts
2 Exams (100 pts each – timed / not proctored) 200 pts

Attendance Policy  
Lecture and Laboratory Attendance: While lecture is not attended in person, students should login and check e-campus at least once a week. This will be monitored and assessed. Laboratory attendance is monitored by activity in latenitelabs. 22176689 DEMPEY 2019SU - NORTHLAKE

The last day to drop this class with a “W” is July 30th.

Institutional Policies Link  
North Lake College Institutional Policies  

Classroom Policies  
Please read this section carefully. These policies are important to me!

E-mail Policy:  
E-mail will be checked on Monday mornings and you can expect about a 24hr turn around on all emails during the work week. I check my email for the last time Friday at noon, and you can expect all weekend emails to be answered the following Monday. Knowing that I will not check my email over the weekend, please consolidate your ideas. I would cringe to see an inbox with multiple emails from a single user. Hardly something to laugh about, but I once had 30 emails from a single student over a weekend. Certain e-mail subjects will be ignored. Per FERPA guidelines I cannot
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discuss your grades over email. I will also not respond to any emails that ask for an “extra day” or “extra time.” The district has a very tight SPAM filter, and if you do not feel like your email is being addressed in a timely manner, call me.

Please keep all communications respectful and classy.

Students will not send unsolicited email espousing a cause, religion, or activity to other class participants and will not add other class participants to any listserves or other entity which distributes unwanted email or material.

Office Hours Policy:
My day job, even though it is on-campus, needs to be considered as an unavailable time for me. Please email me for an appointment. I will be available some nights and online, however, my 8-5 job needs to be considered off-limits. Please do not drop in to talk to me during the work day, you will be sent away and asked to make an appointment.

End of Class Procedures:
When this class ends, it ends. When the final exam deadline passes, I will take down the entire course. I do this so I can configure the grades properly. This means that if you wish to preserve anything from the course, you should make sure that you have downloaded your gradebook or any materials before that day.

My Academic Dishonesty Policy:
I will not tolerate cheating. If you are caught plagiarizing your journals, cheating in the testing center, or other manners or cheating, my penalty is failure in the entire course. Not just an F on the assignment, you will fail the course.

Quiz Policy:
I get a lot of questions about my quizzes and I would like to address it here. When you take a quiz, it does not tell you what you got right and what you got wrong. This is intentional. Like a good science experiment, we run the process and then we get results. Interpreting the results is the cornerstone of the scientific process. We often don’t know what went right and what went wrong. The science, is sorting this out. You will get the hang of it. With the quizzes I encourage you to collaborate with others, talk through the answers, and learn. When you reaffirm you got something right, you have taken the guesswork out of future responses. When you research something you thought you got right, but in-fact got wrong, you truly learn. Lastly, when you research a question you got completely wrong, you are uncovering areas you may need to study further.

Certification of Attendance Policy:
You have three assignments to complete in the first week. You must (a) to post in the discussion board, (2) complete the first journal, and (3) take the intro quiz. The intro quiz is imperative because this is what I use to certify your attendance. Which means if you skip this quiz late, it may impact your financial aid status in the class! Click the START HERE link in e-campus for more information.

Computer Glitch Policy:
You may encounter a computer glitch while you are taking a quiz. This happens. I empathize, it happens to me all the time. So here is what you do. Make sure you have documented the glitch. Secondly, save your documentation. Please do not ask for quiz resets as I will not be resetting quizzes over the semester. Usually I can see that the glitch has occurred because it looks like the quiz was abandoned – I will delete two glitch quizzes per student over the semester. If you think somehow quiz glitches have altered your final grade, you may present your documentation for consideration of a grade recalculation. I can tell you that in the history of teaching this class, that has never occurred, but I am willing to accept the discussion. Systemic and habitual computer failure will be considered a student’s responsibility.

Disclaimer
SYLLABUS MODIFICATION: The instructor may modify the provisions of the syllabus to meet individual class needs by informing the class in advance as to the changes being made.