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BSC 1309.01W Human Structure and Function

COURSE SYLLABUS: Fall 2022

INSTRUCTOR INFORMATION

Instructor: Jenny Hodnett

Office Location: Room 109 Caddo Mills High School

Office Hours: 7:45-8:30 am Monday-Friday

Office Phone: 903-527-3164

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University Email Address: jhodnett@caddomillsisd.org

Preferred Form of Communication: email

Communication Response Time: <24 weekday hours

COURSE INFORMATION

Course Description

BSC 1309.01W is a three-hour credit course for non-biology majors designed to apply the principles of biology to humans as a functional unit of our social organization. Fundamental principles of humans, as in all living organisms, include physical and chemical properties of life, organization, function, and evolutionary adaptation. This course will explore basic biological concepts in a manner that stresses relevance to the human population by focusing on current issues and should engage the student in thought-provoking analyses to reflect and integrate into societal interactions.

BSC 1309.01W Required Course Materials and Resources

Textbook: *Human Biology*

Edition: 16th Edition

Authors: Sylvia S. Mader and Michael Windelspecht

Publisher: McGraw-Hill

ISBN: 9781260692174 (looseleaf or ebook)

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You can rent the ebook at this link for \$50

[Human Biology \(Mader\)](#)

Free Supplemental Material:

<https://openstax.org/details/books/anatomy-and-physiology>

Software Required:

Must have access to computer/device and internet service provider for participation and completion of the coursework. A reliable computer/device and access to link with the internet is essential for this course. Students who do not have access to a compatible and reliable computer/device and/or internet provider may utilize the resources provided by Texas A&M University - Commerce in Gee Library or the various computer labs located on the campus.

Course Description

Student Learning Outcomes

1. Critical Thinking - Students will be able to analyze, evaluate, or solve problems when given a set of circumstances, data, texts, or art.
1. Communication - In written, oral, and/or visual communication, A&M-Commerce students will communicate in a manner appropriate to the audience and occasion, with an evident message and organizational structure.
2. Empirical and Quantitative Skills - Students will be able to interpret, test, and demonstrate principles revealed in empirical data and/or observable facts.
3. Teamwork - Students will be able to work together toward a shared purpose relevant to the course or discipline with a sense of shared responsibility for meeting that purpose.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

The following are minimal technical skills required for the coursework for BSC 1309.01W:

1. Ability to use and navigate MyLeo Online (D2L Brightspace) for Texas A&M University - Commerce containing the coursework components.
2. Ability to research, compose, and submit the research article critique in APA format.

Instructional Methods

This is a face to face course. A minimum of three days a week will consist of lecture, note-taking, and discussion/activities. Your performance in this course will be assessed by means of:

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1. Quizzes

You will complete a weekly quiz every Monday over the previous week's reading material and notes. These quizzes will ensure that you are learning the material that is covered during lecture and you are reading the chapters. The lowest quiz grade will be dropped.

2. Group Project

You will complete a group project that includes all 4 learning competencies of the course.

Infectious Disease Group Project:

For this assignment, you will work with a group to construct a research critique paper over a peer-reviewed primary research article. You will also communicate your findings to the class in a brief presentation. You will need a visual when you present to the class (powerpoint/poster/prezi). This assignment covers the four key competencies that are required in this course: Teamwork, Communication, Empirical and Quantitative Results, and Critical Thinking.

First, you will need to join a group in the assignment within D2L. Then you will select a research article to use for the assignment. Once your group selects the article, it must be approved by me. The research article must be related to an infectious disease. Chapter 8 in your textbook covers infectious diseases. It is recommended that you read this for some background knowledge before choosing your article. The research article must be current (within the last 5 years) and published in peer-reviewed journals. If the article is peer reviewed it will state this. When selecting your article, you are looking for literature articles that contain an introduction, methods, results, and a discussion/conclusion.

Content

You will write a summary of the research from the target article. You need to include at least one graph or table in your summary and explain the data. The figure will need to be attached at the end of your review but you will need to refer to it within the paper. You will need to include information from at least 2 other sources besides your article. This may include information about the disease and/or more in depth information about how the treatment is designed to work. Then you will give a brief critique of the research. Here are some questions to help you in this process of critiquing the research:

Are there flaws that you see in the research design? Does the research answer the experimental question? Is the sample size large enough? Is it a random sample? Should the research be performed over longer time periods? Is the work detailed and

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explained clearly? Could this research be replicated? Is the work useful and does it contribute to science? What could be changed in this experiment? What would make it better? Even if there are no evident flaws in the research, what would you do differently? Are there other questions that could extend on this research?

Length

I expect your paper to be a minimum of 5 pages but it may be longer to cover everything. You may also need to use subheadings throughout your paper. This is a good way to break down your paper and divide up the work between your teammates.

Citing your sources:

You do not need to cite the article you are writing about but it is important that you include the title of the paper and the authors in your introductory paragraph. You must summarize the information in your own words. Plagiarism will result in a zero. This course uses Turnitin plagiarism software. Once you submit your paper it will give you a report of any plagiarism and you may correct it and resubmit it. You should not use quotations or directly copy anything from any of your sources. You must cite the other sources you use. I recommend www.citationmachine.net to help with your citations. APA format should be used. When you cite a source within the text, you will use parentheses with the last name of the author and the year it was published. Your paper should be 12pt font with one inch margins and double spaced. You must also include a title page.

Team members will fill out a teamwork questionnaire for each person in the group. Individual group members may be awarded different grades when teamwork is calculated into the final project grade for each person. If a group member is identified by all other group members as someone who chose not to participate in the group project, that person will be awarded a zero for the project grade.

Project Rubric:

Teamwork - 20%

Presentation - 20%

Research Critique Paper - 60%

3. Empirical and Quantitative Data Assessment:

The empirical and quantitative data assessment will cover genetics and heredity and will meet the course core competency of empirical and quantitative skills. This assessment will consist of 10 genetics problems.

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Student Responsibilities or Tips for Success in the Course

Communication throughout this semester is imperative for success. Reach out to me if you have questions before the assignment is due. If you wait until the due date, it is too late. It is important for you to be in class for lectures everyday. It is also important that you stay up to date with due dates. All due dates are at 11:59pm on the date the assignment is due. Do not wait until the last minute to complete graded assignments to avoid unforeseen "life" situations from interfering with due dates. Late work is **not** accepted unless there are extenuating circumstances. There are required chapter readings. Reading the chapter as we cover it in class is imperative to your success in the class. It is important that you begin communicating with your group members and begin the group assignment well before it is due so you can come to me with any questions. You should check your email regularly for important information or changes that may be made to the coursework.

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Quizzes:	60%
Group Project:	30%
Empirical and Quantitative Data Assessment:	10%
TOTAL	100%

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

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https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Interactions with Instructor

This is a face to face course. Students may ask questions during class time or during office hours. Students may also communicate with the instructor through email. The instructor will respond within 24 hours unless it is a holiday or weekend.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

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COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx) webpage and [Procedure 13.99.99.R0.01](http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf)

[Undergraduate Student Academic Dishonesty Form](http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf)

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<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

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Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

Counseling Center Services

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

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