

Midwestern State University Department of Biology
Course Syllabus for
BIOL 1013.X1A: Introduction to Human Biology Lab

Lab materials:

This course includes an online lab. Required digital materials for this course are part of the Courseware Access and Affordability Program at MSU Texas. Students are charged for required course materials on their student account with the Business Office. Any students who wish to opt-out of the Program and purchase the required course materials on their own must do so prior to (09/04/20). Opt-out instructions are sent to students' official my.msutexas.edu email address after the first day of class. Please contact the MSU Bookstore if you have any questions about the opt-out process.

Materials: Connect Access Card for Biology Virtual Labs – ISBN 9781264203512. You will need to have the Access Card by September 6^h.

Contact Information:

Instructor: Mrs. Jeanel Georges Insalaco
Office: Bolin Science Hall Room 307C
Phone: (940) 397-4023
Email: jeanel.insalaco@msutexas.edu

Office Hours: MWF: 12:00 -2:50 pm or by appointment. Office hours will be held via Zoom:
<https://msutexas-edu.zoom.us/j/8697142289> ; ID: 869 714 2289

Class day/time and location:

Each lab unit will open on Monday, and the normal deadline for assignments is at 11:59PM the following Sunday. The lab will finish during the last week of classes and there will not be a final exam in the lab portion of the class.

Lab work may be completed at any time during the week; however, please be aware that some observations and datasheets will require more than one day to complete. For single-session labs you should allow at least two to three hours for each lab from start to finish.

Item in Lab	Percent of lab grade	Percent of overall grade in 1013 (weighted)
Lab worksheets	70%	28%
Team Public Health Campaign project	30%	12%
Total	100%	40% of overall grade

The grading scale is as follows

Grade	Percentage
A	90-100%
B	80-89%
C	70-79%

Grade	Percentage
D	60-69%
F	Below 60%

Lab Calendar:

Dates	Activity	Assignment Due at 11:59PM
Aug. 24 – Aug 30	Purchase Connect Access Card Lab 1: Virtual lab tutorial and Applying the Scientific method	<input type="checkbox"/> Purchase Connect Access Card—you need it by September 6 <input type="checkbox"/> Lab 1 No worksheet
Aug 31 – Sept. 6	Lab 2: Hand washing procedure	<input type="checkbox"/> Lab 2 worksheet: Handwashing worksheet due by 11:59PM Sept 6
Sept. 7 - Sept. 13	Lab 3: Eukaryotes, Prokaryotes and Viruses Diffusion across selectively permeable membrane; effect of concentration	<input type="checkbox"/> Lab 3: due 11:59 PM Sept 13
Sept. 14 - Sept. 20	Lab 4: How enzymes work. Effect of temperature effect of concentration, effect of pH	<input type="checkbox"/> No lab worksheet due
Sept. 21 – Sept. 27	Lab 5: Isolation of DNA Begin Team public Health Project	<input type="checkbox"/> Lab 4 worksheet: Enzymes due by 11:59PM Sept 27
Sept. 28 – Oct. 4	Lab 6: Chromosomal inheritance during meiosis.	<input type="checkbox"/> Lab 5 worksheet: Eukaryotes, Prokaryotes and Viruses
Oct. 5 – Oct. 11	Lab 7: Genetic Inheritance	<input type="checkbox"/> Lab 6 worksheet: Meiosis chromosomal inheritance due by 11:59PM Oct 11
Oct. 12 – Oct. 18	No Lab	<input type="checkbox"/> Lab 7 worksheet: Genetic inheritance Oct 18
Oct. 19 – Oct. 25	Lab 8: Endocrine glands	<input type="checkbox"/> Lab 8 Endocrine glands due by 11:59PM Oct 25th
Oct. 26 – Nov. 1	Lab 9: Blood typing	<input type="checkbox"/> Lab 8 worksheet: Blood typing simulation due by 11:59PM Nov 1
Nov. 2 – Nov. 8	Lab10: Begin Lab 10: sleep and cardiovascular	<input type="checkbox"/> Take observations for Lab 10 sleep and cardiovascular over a 3-day period
Nov. 9 – Nov. 15	Lab 10: complete Self Observation sleep and cardiovascular activity	<input type="checkbox"/> Lab 10: Sleep and cardiovascular activity logs due by 11:59PM Nov 17
Nov. 16 – Nov. 22	Lab 11: Food and Exercise Logs (the logs will take you three days to complete)	<input type="checkbox"/> Lab 11: Food and exercise due by 11:59PM Nov 22nd
Nov. 23 – Nov. 29	Lab 12: Mammalian brain	<input type="checkbox"/> THANKSGIVING BREAK NOV 24/25. Lab 11: Self-observation food and exercise due by 11:59 Nov 30
Nov 30 – Dec. 6	Team public health project	<input type="checkbox"/> Lab 12 worksheet: Mammalian brain <input type="checkbox"/> Team public health project due 11:59PM Dec 6

Lab worksheets

At the end of most labs you will complete a summary worksheet that you will submit to D2L dropbox.

Team public health campaign project

You will work with a team to complete a project developing a mock public health campaign. This is a semester-long project and you will be evaluated both as a team and individually. This project is described in greater detail under the D2L section for the team project.