|  |  |
| --- | --- |
|  |  |
| S:\Communications\Logos and photos\SDBORLogos\final_sdbor_webreadyBW_trans.gif | **SOUTH DAKOTA BOARD OF REGENTS**  ACADEMIC AFFAIRS FORMS |
| Revisions to General Education Requirements |
|  |  |

Use this form to request any change to the General Education Requirements specified in Policies 2:7 – Baccalaureate General Education Curriculum and 2:26 – Associate Degree General Education Requirements. This includes any changes to the System General Education Requirements, Institutional Graduation Requirements, Globalization/Global Issues Requirement, and Writing Intensive Requirement.

**NOTE: This process does not include approval for the development of a new course. If the proposal does include the development of a new course, the new course process must be completed before the course will be considered for inclusion in any set of the General Education Requirements**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| DSU |  | Arts & Science |  |  |  | 1/7/21 |
| Institution |  | Division/Department |  | Institutional Approval Signature |  | Date |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Institution |  | Form Initiator |  | Dean’s Approval Signature |  | Date |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Institution |  | Division/Department |  | Institutional Approval Signature |  | Date |

**Indicate (X) the component of the General Education Curriculum that the proposal impacts.**

|  |  |
| --- | --- |
| **X** | System General Education Requirements |

**Indicate (X) the revision(s) that is being proposed (more than one may be checked).**

|  |  |
| --- | --- |
|  | Revision to an approved course |
| **X** | Addition of a course to the set of approved courses |
|  | Deletion of an approved course from the set of approved courses |

|  |
| --- |
| **Section 1. Provide a Concise Description of the Proposed Change** |
| DSU has requested authority to offer BIOL 106/106L and would like to have it added to our system general education course list. Currently NSU is the only other university offering this course for general education. |

|  |
| --- |
| **Section 2. Provide the Effective Date for the Proposed Change** |
| Fall 2021 |

|  |
| --- |
| **Section 3. Provide a Detailed Reason for the Proposed Change** |
| BIOL 106/106L is currently offered by NSU and listed as an approved course meeting the System General Education GOAL #6: Students will understand the fundamental principles of the natural sciences and apply scientific methods of inquiry to investigate the natural world. |

|  |
| --- |
| **Section 4. Provide Clear Evidence that the Proposed Modification will Address the Specified Goals and Student Learning Outcomes** |
| Currently on the approved course listing (see Section 3) |

|  |
| --- |
| **Section 5. Provide a Copy of all Course Syllabi and Other Supporting Documentation** |
| Attached. |

Course Syllabus – BIOL 106

# Course Prefix, Number, and Title: BIOL 106: Human Biology

# Credits: 3 Semester Hours

# University Name: Dakota State University

# Academic Term/Year: Fall 2021

## Last date to Drop and receive 100% refund:

August 28th

## Last date to Withdraw and earn a grade of 'W':

October 30th

# Course Meeting Time and Location:

# Instructor Information:

## Name:

Nevine Nawar

## Office:

Science Center, room 146J

## Phone Number(s):

(605) 256-5260

## Email Address:

nevine.nawar@dsu.edu

## Office Hours:

Virtual Hours: Tuesday 10:00 a.m. to 3:00 p.m.

# Approved Course Description:

## Catalog Description:

An introductory course on the biology of humans. Human Health and Biology provides an overview of the fundamental principles of biology as they relate to the human organism. It presents an overview of the anatomy and physiology of human body systems, genetics, disease processes and biotechnology with a focus on applications to contemporary life and increased health literacy.

## Additional Course Information:

Includes laboratory exercises.

# Prerequisites:

## Course Prerequisite(s):

None

## Technology Skills:

The Tablet PC platform has been adopted across the DSU campus for all students and faculty, and tablet usage has been integrated into all DSU classes to enhance the learning environment. Course material is available on D2L. for information on how to use D2L, please go to DSU D2L Support Resources for Students.

# Course Materials:

## Required Textbook(s):

Mader SS, Windelspecht M. 2018. Human Biology, 16th Edition. New York: McGraw Hill Education.

ISBN: 978-1-260-23303-2

Lab exercises and activities will be available on Desire2Learn.

## Required Supplementary Materials:

None

## Optional Materials:

None

# 

# Student Support:

## DSU Knowledge Base:

The DSU Knowledge Base contains links and resources to help students by providing information about the following topics: User Accounts & Passwords, Academic Tools & Resources, Software & Apps Support, WiFi & Network Access, Campus Emergency Alert System, Campus Printing, IT Security & Safe Computing, and the Support Desk (which is there to help both on and off-campus students). The Knowledge Base can be accessed through the link below:

* [DSU Knowledge Base](https://support.dsu.edu/TDClient/KB/)

## D2L Support for Students:

The D2L Support for Students site is designed to provide DSU students a D2L support resource center that contains user guides, tutorials, and tips for using the D2L learning environment. The D2L Support for Students site can be accessed through the link below:

* [DSU D2L Support Resources for Students](https://d2l.sdbor.edu/d2l/home/606414)

# Course Delivery and Instructional Methods:

Course material and activities are posted on course D2L website.

# Classroom Policies:

## Attendance and Make-up Policy:

There will be no make-up for missed class or lab activities.

## Accessibility Statement:

Dakota State University strives to ensure that physical resources, as well as information and communication technologies, are accessible to users in order to provide equal access to all. If you encounter any accessibility issues, you are encouraged to immediately contact the instructor of the course and Dakota State University’s ADA Office, which will work to resolve the issue as quickly as possible.

DSU’s ADA Office is located in the Learning Engagement Center and can be contacted by calling 605-256-5121 or emailing [dsu-ada@dsu.edu](mailto:dsu-ada@dsu.edu). Students seeking ADA accommodations (such as non-standard note taking or extended time and/or a quiet space taking exams and quizzes) can log into the DSU portal to access <https://portal.sdbor.edu/dsu-student/student-resources/disability-services/Pages/default.aspx/> for additional information and the link to the Disability Services Request Form. You will need to provide documentation of your disability and the ADA Coordinator must confirm the need before officially authorizing accommodations.

## Academic Honesty Statement:

Cheating and other forms of academic dishonesty run contrary to the purpose of higher education and will not be tolerated in this course. Please be advised that, when the instructor suspects plagiarism, the Internet and other standard means of plagiarism detection will be used to resolve the instructor’s concerns. The South Dakota Board of Regents Student Academic Misconduct Policy can be found here: [SDBOR Policy 2.33](https://www.sdbor.edu/policy/Documents/2-33.pdf).

All forms of academic dishonesty will result in penalties determined by the instructor. The minimum penalty will be a grade of zero for the work attempted. A student guilty of a more serious offense or multiple instances of dishonesty will receive a grade of “F” for the course. Please note that any incidence of academic dishonesty will be reported to the Academic Integrity Board.

# Communication and Feedback:

## Preferred Email Contact Method:

Email questions/concerns to my webmail [nevine.nawar@dsu.edu](file:///C:\Users\scws\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\Content.Outlook\KTVB3F30\nevine.nawar@dsu.edu).

## Email Response Time:

I check my email daily and will respond to you within 24 hours on weekdays, or by the end of the day on Monday if you email me during the weekend. Please be advised that I do not check my mail after 8:00 p.m.

## Feedback on Assignments:

Feedback is usually provided within one week of due date. You can access your responses and correct answers by clicking on the drop menu next to the graded quiz/exercise and selecting submissions.

## Requirements for Course Interaction:

I expect you to follow the basic rules of netiquette and to be courteous to all those in the class. Please use complete sentences and follow the discussion board guidelines. Derogatory comments/jokes regarding, but not limited to sex, ethnicity, and ideology will not be tolerated. For more information on netiquette please review the following sites, <http://www.albion.com/netiquette/corerules.html> or <https://kb.wisc.edu/page.php?id=50548>

# Student Learning Outcomes:

Course General Goals:

• Regental General Education Goal #6: Students will understand the fundamental principles of the natural sciences and apply scientific methods of inquiry to investigate the natural world.

• Regental General Education Goal #7: Students will recognize when information is needed and have the ability to locate, organize, critically evaluate, and effectively use information from a variety of sources with intellectual integrity.

Course Objectives:

• Describe the level of organization of the human body.

• Identify the principle organ systems of the body.

• Discuss the structure-function relations of the main organs in each system.

• Explain the interrelations of body systems.

• Describe major diseases that affect organ systems.

• Apply gained knowledge of human anatomy and physiology to better understand contemporary health, social, and ethical issues.

Students will:

a. Demonstrate their knowledge of the level of organization of the body and the integumentary system on assignments and exams.

b. Gain an understanding of the skeletal system and muscular system, and use that knowledge on assignments and exams.

c. Use an understanding of the nervous system, sensory system, and endocrine system to answer questions on assignments, exercises, and exams.

d. Demonstrate their knowledge of the blood, cardiovascular system, and lymphatic system on assignments, exercises, and exams.

e. Acquire an understanding of the respiratory system and digestive system, and use that knowledge on assignments, exercises, and exams.

f. Use an understanding of the urinary system and reproductive system to answer questions on assignments and exams.

g. Use concepts and principles of human biology to evaluate issues of health, social, and ethical significance through projects and writing assignments.

**General Goals of the Instructor for Students of BIOL 106:**

During this course, I hope to challenge any conceptions you may have of biology and science as a whole as a boring collection of facts compiled by nerds and other social misfits. Science is a dynamic process that is constantly proposing, discarding and evaluating explanations of natural phenomena. This process of change means that science has very few “facts”. You may find the tentative nature of science frustrating. There are no definitive answers. But I will attempt to convince you that this flexibility and quest for new views of our world is what makes science so exciting. Science is a human endeavor. As such, it is prone to all the errors and misunderstandings made possible by human frailty. However, the human element also brings drama and passion to the practice of science. The study of biology examines not only what it means to be a living organism, but also what we think of ourselves and our place in the universe.

I encourage you to participate by thinking about what is being discussed and asking questions that will help you understand the material. There is a large vocabulary that you must be familiar with to be conversant with the principles of biology. But a working knowledge of terminology is only the beginning step. The real challenge is to relate these terms to concepts and recognize the importance of the concepts in understanding how and why life occurs the way it does.

# Evaluation Procedures:

## Assessments:

1. **ASSIGNMENTS** - There are twelve **OPEN-BOOK** assignments for this course. Assignments are available under the “Content-Modules” and “Quizzes” links on Desire2Learn. All assignments consist of multiple-choice questions. All assignments will be submitted to and graded on D2L. Sharing of answers is a violation of the trust placed in all students in the class, each of whom is entrusted with producing her/his own set of answers. Students who copy assignment answers or allow their assignments to be copied will receive a zero for that assignment. Completed assignments must be submitted by the due date/time. **LATE ASSIGNMENTS WILL NOT BE ACCEPTED AND WILL BE SCORED ZERO POINTS.**

2. **EXERCISES** – Five lab exercises are included in this course. Four exercises are Labster Virtual Labs simulations. The remaining exercise is a hands-on experiment that students will carry out.

To get started with Labster Simulation:

**Go to Students Resources** <https://help.labster.com/en/articles/3829908-student-resources>

3. **PRESENTATION** - Students are responsible for one group presentation dealing with issues in the importance of biology to social and ethical issues. Presentation topic, guidelines and grading rubric are available on D2L. Please submit presentation to D2L dropbox.

4. **VIDEO GUIDE**- Students will complete and submit a video guide to the documentary “The Secrets of the Mind”. The documentary can be purchased on Amazon.com [http://www.amazon.com/NOVA-Secrets-Mind-V-S-Ramachandran/dp/B000JJ5F8O](http://www.amazon.com/NOVA-Secrets-Mind-V-S-Ramachandran/dp/B000JJ5F8O%20) .

The film is also available on YouTube:

Part 1 <http://www.youtube.com/watch?v=CTSN9phMZzk>

Part 2 <http://www.youtube.com/watch?v=On7jttGB7pw>

Part 3 [http://www.youtube.com/watch?v=Ry8wwV50ylQ&](http://www.youtube.com/watch?v=Ry8wwV50ylQ&context=C46393c2ADvjVQa1PpcFPoKHgMMNe3hMEEadd6GZq0E2g2qITNUgU=)

The video guide is available on D2L. Submit the completed video guide to D2L dropbox.

## Final Examination:

There will be two proctored exams for students enrolled in Biology 106; a midterm and a final examination.

Midterm exam on September 24th.

Final exam on December 3rd.

## Performance Standards and Grading Policy:

Final grades will be determined as a percentage of the total points you earn out of the 495 points possible in this course. The following fixed-percentage scale is used for determining final grades:

90 - 100% = A

80 - 89% = B

70 - 79% = C

60 - 69% = D

0 - 59% = F

Exams (2 x 50 pts.) = 100 points

Presentation = 25 points

Lab exercises (5 x 15 pts.) = 75 points

Assignments (12 x 20 pts.) = 240 points

Video Guide = 15 points

Total = 455 points

## Student Verification Statement and Proctoring Policy:

Federal law requires that universities verify the identity of students when course materials and/or course assessment activities are conducted either partially or entirely online. A student’s Desire2Learn (D2L) login and password are intended to provide the student with secure access to course materials and are also intended to help the university meet this federal mandate. Some DSU Faculty also require the use of a proctor for exams in distance-delivered (Internet) courses and this requirement provides a second level of student identity verification. Students are responsible for any proctoring fees, if applicable. Finally, an instructor who uses web conferencing technology may require students to use a webcam during exams, as another means of student identity verification through voice and visual recognition.

There will be two proctored exams for students enrolled in Biology 106; a midterm and a final examination. For proctor information please visit <https://dsu.edu/academics/online/proctor-information.html>. To complete and submit an online proctor form, please go to [https://secure.dsu.edu/apps/proctor/](https://secure.dsu.edu/apps/proctor/%20%20)  for distance students using approved proctoring services-BOR universities or https://secure.dsu.edu/apps/proctor/ for distance students NOT using approved proctoring services-BOR universities. Proctoring services-BOR universities require no verification since they have been approved. All other proctor information must be verified by the office of extended programs prior to approval. **PROCTOR FORMS SHOULD BE COMPLETED AND SUBMITTED NO LATER THAN SEPTEMBER 16TH. RESPONDUS LOCKDOWN BROWSER IS REQUIRED FOR EXAM TAKING. IF YOU ARE NOT USING APPROVED PROCTORING SERVICES-BOR UNIVERSITIES, PLEASE CONFIRM WITH YOUR PROCTOR THAT THE INSTALLATION OF THE SOFTWARE IS PERMITTED. PROCTORING SERVICES REQUIRE THAT YOU SCHEDULE A TIME FOR PROCTORING; YOU MUST CONTACT YOUR PROCTOR/PROCTORING SERVICE WELL BEFORE THE EXAM TO ARRANGE FOR A TIME TO TAKE THE TEST.**

# Tentative Course Outline and Schedule:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module** | **Lecture** | **Topic** | **Reading** | **Key Dates** |
|  |  | **Part I** |  |  |
| 0 | 1 | Introduction; Course Policies & Themes | “Getting Started”: Syllabus and FAQ |  |
| 1 | 2 | Introduction to Biology | Ch1, pp 3-20 | By the end of module 1  Assignment 1 Due  Starts: Aug 19, 12:30 PM  Ends: Aug 26, 11:30 PM  Exercise 1 Due  Start and End date/time  same as assignment 1 |
| 2 | 3 | Organization and Regulation of Body Systems | Ch 4, pp 66-75 |  |
|  | 4 | Organization and Regulation of Body Systems (Cont.) | Ch 4, pp 74-88 | By the end of module 2  Assignment 2 Due  Starts: Aug 21, 12:30 PM  Ends: Sep 2, 11:30 PM |
| 3 | 5 | Cardiovascular System: Heart and Blood Vessels | Ch 5, pp 89-110 |  |
|  | 6 | Cardiovascular System: Blood | Ch 6, pp 111-127 | By the end of module 3  Assignment 3 Due  Starts: Aug 28, 12:30 PM  Ends: Sep 9, 11:30 PM  Exercise 2 Due  Start and End date/time  same as assignment 3 |
| 4 | 7 | The Lymphatic System | Ch 7, pp 128-146 |  |
|  | 8 | Biology of Infectious Diseases | Ch 8, pp 147-166 | By the end of module 4  Assignment 4 Due  Starts: Sep 4, 12:30 PM  Ends: Sep 16, 11:30 PM |
| 5 | 9 | Digestive System | Ch 9, pp 167-182 |  |
|  | 10 | Digestive System (Cont.) | Ch 9, pp 182-194 | By the end of module 5  Assignment 5 Due  Starts: Sep 11, 12:30 PM  Ends: Sep 23, 11:30 PM  Exercise 3 Due  Start and End date/time  same as assignment 5 |
| Review and Midterm |  | **Review Session I** |  |  |
|  |  | **Midterm Exam Thursday, Sep 24th**  **Available 9:00 a.m. to 9:00 p.m.** |  |  |
|  |  | **Part II** |  |  |
| 6 | 11 | Respiratory System | Ch 10, pp 195-204 |  |
|  | 12 | Respiratory System (Cont.) | Ch 10, pp 204-215 | By the end of module 6  Assignment 6 Due  Starts: Sep 18, 12:30 PM  Ends: Sep 30, 11:30 PM  Exercise 4 Due  Start and End date/time  same as assignment 6 |
| 7 | 13 | Urinary System | Ch 11, pp 216-226 |  |
|  | 14 | Urinary System (Cont.) | Ch 11, pp 226-235 | By the end of module 7  Assignment 7 Due  Starts: Sep 25, 12:30 PM  Ends: Oct 7, 11:30 PM |
| 8 | 15 | Skeletal System | Ch 12, pp 236-246 |  |
|  | 16 | Skeletal System (Cont.) | Ch 12, pp 246-257 | By the end of module 8  Assignment 8 Due  Starts: Oct 2, 12:30 PM  Ends: Oct 14, 11:30 PM |
| 9 | 17 | Muscular System | Ch 13, pp 258-268 |  |
|  | 18 | Muscular System (Cont.) | Ch 13, pp 268-278 | By the end of module 9  Assignment 9 Due  Starts: Oct 9, 12:30 PM  Ends: Oct 21, 11:30 PM |
| 10 | 19 | Nervous System | Ch 18, pp 279-299 |  |
|  | 20 | Nervous System (Cont.)  Senses | Ch 18, pp 299-305  Ch 18, pp 306-318 | By the end of module 10  Assignment 10 Due  Starts: Oct 16, 12:30 PM  Ends: Oct 28, 11:30 PM  Exercise 5 Due  Start and End date/time  same as assignment 10 |
| 11 | 21 | Endocrine System | Ch 18, pp 328-344 |  |
|  | 22 | Endocrine System (Cont.) | Ch 18, pp 344-354 | By the end of module 11  Assignment 11 Due  Starts: Oct 23, 12:30 PM  Ends: Nov 4, 11:30 PM |
| 12 | 23 | Reproductive System | Ch 18, pp 355-364 |  |
|  | 24 | Reproductive System (Cont.) | Ch 19, pp 364-381 | By the end of module 12  Assignment 12 Due  Starts: Oct 30, 12:30 PM  Ends: Nov 11, 11:30 PM |
| 13 |  | Group Presentation  Video Guide: Secrets of the Mind  *Video guide and presentation are due Nov 25th at 11:30 PM* |  | By the end of module 13  Presentation Due  Video Guide Due  End: Nov 25, 11:30 PM |
| Review and Final |  | **Review Session II** |  |  |
|  |  | **Final Exam on Thursday, Dec 3rd**  **Available 9:00 a.m. to 9:00 p.m.** |  |  |

# Freedom in Learning Statement:

Students are responsible for learning the content of any course of study in which they are enrolled. Under Board of Regents and University policy, student academic performance shall be evaluated solely on an academic basis and students should be free to take reasoned exception to the data or views offered in any course of study. It has always been the policy of Dakota State University to allow students to appeal the decisions of faculty, administrative, and staff members and the decisions of institutional committees. Students who believe that an academic evaluation is unrelated to academic standards but is related instead to judgment of their personal opinion or conduct should contact the dean of the college which offers the class to initiate a review of the evaluation.