A. **Academic Division:** Health Sciences

B. **Discipline:** Science

C. **Course Number and Title:** BIOL1710 Introduction to Anatomy & Physiology

D. **Course Coordinator:** Jeff Taylor  
   **Assistant Dean:** Melinda Roepke, MSN, RN

**Instructor Information:**
- **Name:** Click here to enter text.
- **Office Location:** Click here to enter text.
- **Office Hours:** Click here to enter text.
- **Phone Number:** Click here to enter text.
- **E-Mail Address** Click here to enter text.

E. **Credit Hours:** 3
   
   **Lecture:** 2 hours  
   **Laboratory:** 2 hours

F. **Prerequisites:** None

G. **Syllabus Effective Date:** Fall, 2017

H. **Textbook(s) Title:**

   *Anatomy and Physiology for Health Professions*
   - Authors: Colbert, Ankney and Lee  
   - Copyright Year: 2011  
   - Edition:  
   - ISBN #: 978-0135-0607-73

I. **Workbook(s) and/or Lab Manual:**

   *Student Workbook to Accompany A & P for Health Professions*
   - Authors: Colbert, Ankney and Lee  
   - Copyright Year: 2011  
   - Edition:  
   - ISBN #: 9780135060711

J. **Course Description:** This course is an introductory study of life processes and biological principles. Special reference to the human organism is used in describing the nature of life-sustaining functions. Cellular function and the structure and function of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems are introduced. Laboratory experiences are designed to supplement the lecture topics and include microscopy, the study of models, specimen dissection, cadaver study and physiological experiments. (OTM approved course in Natural Sciences TMNS)
K. College-Wide Learning Outcomes

<table>
<thead>
<tr>
<th>College-Wide Learning Outcomes</th>
<th>Assessments - - How it is met &amp; When it is met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication – Written</td>
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<tr>
<td>Communication – Speech</td>
<td></td>
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<tr>
<td>Intercultural Knowledge and Competence</td>
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<tr>
<td>Critical Thinking</td>
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<td>Information Literacy</td>
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<tr>
<td>Quantitative Literacy</td>
<td></td>
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</tbody>
</table>

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>Assessments – How it is met &amp; When it is met</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Describe the body planes and general organization.</td>
<td>Exams, quizzes, practical lab tests throughout the semester</td>
</tr>
<tr>
<td>2. Identify selected cell structures and briefly state their functions.</td>
<td>Exams, quizzes, practical lab tests throughout the semester</td>
</tr>
<tr>
<td>3. Define homeostasis, mitosis, diffusion, osmosis, and active transport.</td>
<td>Exams, quizzes, practical lab tests throughout the semester</td>
</tr>
<tr>
<td>4. List the major tissue types and state their general functions.</td>
<td>Exams, quizzes, practical lab tests throughout the semester</td>
</tr>
<tr>
<td>5. Identify on models and drawings, selected microscopic and macroscopic components of the skin, skeleton, muscular, nervous, sensory, endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems.</td>
<td>Exams, quizzes, practical lab tests throughout the semester</td>
</tr>
<tr>
<td>6. Briefly explain or summarize the functional roles of selected organs or tissues and their parts in the various body systems.</td>
<td>Exams, quizzes, practical lab tests throughout the semester</td>
</tr>
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M. Topical Timeline (Subject to Change):

LEcTure

1. General Organization of the Human Body
2. General Processes of the Body
3. General Principles of Chemistry, Matter, and Life
4. Major Cell Parts and their Functions
5. Division of Cells
6. Movement of Substances Across the Cell Membrane
7. Tissues, Glands, and Membranes
8. The Skin
9. The Skeleton
10. The Muscular System
11. The Nervous System
12. The Sensory System
13. The Endocrine System
14. The Blood
15. The Heart
16. Blood Vessels and Circulation
17. Lymphatic System and Immunity
18. Respiratory System
19. Digestive System
20. Metabolism
21. Urinary System
22. Reproductive System

LAB

1. Body references and organization
2. Cells and tissues
3. Skeleton
4. Major muscles
5. Neuron and PNS component, brain and spinal cord
6. Eye and ear anatomy
7. Endocrine
8. Blood
9. Heart anatomy
10. Major blood vessels
11. Respiratory anatomy and volume
12. Digestive anatomy
13. Urinary anatomy & function; urinalysis
14. Reproductive anatomy

N. Course Assignments:

1. Lecture quizzes and exams
2. Laboratory practical exams

O. Recommended Grading Scale:

<table>
<thead>
<tr>
<th>NUMERIC</th>
<th>GRADE</th>
<th>POINTS</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>93–100</td>
<td>A</td>
<td>4.00</td>
<td>Superior</td>
</tr>
<tr>
<td>90–92</td>
<td>A-</td>
<td>3.67</td>
<td>Superior</td>
</tr>
<tr>
<td>87–89</td>
<td>B+</td>
<td>3.33</td>
<td>Above Average</td>
</tr>
<tr>
<td>83–86</td>
<td>B</td>
<td>3.00</td>
<td>Above Average</td>
</tr>
<tr>
<td>80–82</td>
<td>B-</td>
<td>2.67</td>
<td>Above Average</td>
</tr>
<tr>
<td>77–79</td>
<td>C+</td>
<td>2.33</td>
<td>Average</td>
</tr>
<tr>
<td>73–76</td>
<td>C</td>
<td>2.00</td>
<td>Average</td>
</tr>
<tr>
<td>70–72</td>
<td>C-</td>
<td>1.67</td>
<td>Below Average</td>
</tr>
<tr>
<td>67–69</td>
<td>D+</td>
<td>1.33</td>
<td>Below Average</td>
</tr>
<tr>
<td>63–66</td>
<td>D</td>
<td>1.00</td>
<td>Below Average</td>
</tr>
<tr>
<td>60–62</td>
<td>D-</td>
<td>0.67</td>
<td>Poor</td>
</tr>
<tr>
<td>00–59</td>
<td>F</td>
<td>0.00</td>
<td>Failure</td>
</tr>
</tbody>
</table>

P. Grading and Testing Guidelines:

Click here to enter text.

Q. Examination Policy:

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R. **Class Attendance and Homework Make-Up Policy:**

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S. **Classroom Expectations:**

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T. **College Procedures/Policies:**

**Attendance Requirements:** All students are required to attend all scheduled classes and examinations. Each faculty member has the right to establish regulations regarding attendance that he/she considers necessary for successful study.

Students who do not attend classes may be administratively withdrawn from those classes. However, failure to attend classes does not constitute withdrawal, and students are expected to process a formal withdrawal through the Student Records Office in Kee Hall.

**Student engagement requirements:**
Student engagement is based on the “active pursuit” of learning which can be measured by class attendance, class participation (in class or online), taking required quizzes/examinations, and submission of work assignments or papers. Student engagement consists of a student attending at least 60% of the class sessions (there should be attendance throughout the term) and/or completing 75% of the assignments listed on the syllabus at the midpoint in the term. Exceptions can be made when there is on-going communication between the student and faculty member. The communication must be documented and the faculty member and student must be in agreement regarding the exception. Students not meeting the expectation will be administratively withdrawn from class. If a student believes he/she was administratively withdrawn in error, he/she may file an appeal. Being administratively withdrawn may have program and financial aid implications.

**Academic Misconduct** is any activity that tends to compromise the academic integrity of the college, or subvert the educational process. Examples of academic misconduct include, but are not limited to:

1. **Violation of course or program rules** as contained in the course syllabus or other information provided to the student; violation of program requirements as established by departments and made available to students.

2. **Plagiarism** including, but not limited to, submitting, without appropriate acknowledgment, any written, visual or oral material that has been copied in whole or in part from the work of others (whether such source is published or not) even if the material is completely paraphrased in one’s own words. This includes another individual’s academic composition, compilation, or other product, or a commercially prepared paper. Plagiarism also includes submitting work in which portions were substantially produced by someone acting as a tutor or editor.

   Such practices constitute plagiarism regardless of motive. Those who deny deceitful intent, claim not to have known that the act constituted plagiarism, or maintain that what they did was inadvertent are nevertheless subject to penalties when plagiarism has been confirmed.

3. **Cheating** and dishonest practices in connection with examinations, papers and projects, including but not limited to using unauthorized notes, study aids or information on an examination; obtaining help from another student during an examination; taking an exam or doing work for another student; providing one’s own work for another student to copy and submit as his/her own; or allowing another student to do one’s work and then submitting the work as one’s own. Also included would be altering a graded work after it has been returned, then submitting the work for re-grading; or submitting identical or similar papers for credit in more than one course without prior permission from the course instructors.
4. **Fabrication** including but not limited to falsifying or inventing any information, data or citation; presenting data that were not gathered in accordance with defined appropriate guidelines, and failing to include an accurate account of the method by which data were collected.

5. **Obtaining an Unfair Advantage** including, but not limited to stealing, reproducing, circulating, or otherwise gaining access to examination materials prior to the time authorized by the instructor; unauthorized collaborating on an academic assignment; taking, hiding or altering resource material; or undertaking any activity with the purpose of creating or obtaining an unfair advantage over another student’s academic work.

6. **Aiding and Abetting Academic Dishonesty** including, but not limited to providing material, information or other assistance to another person with the knowledge that such aid could be used in any of the violations stated above, or providing false information in connection with any inquiry regarding academic integrity.

7. **Alteration of Grades or Marks** including but not limited to, action by the student in an effort to change the earned credit or grade.

In addition, cases of academic dishonesty may involve photocopied materials. Materials used may fall under the Copyright Act. Violations of said Act may subject the user and/or the College to sanctions.

**Statement on Disabilities**: Any student who requires reasonable accommodations related to a disability should inform the course instructor and the Coordinator of Specialized Services (Room 138 in Kee Hall; phone 419-755-4727).

Students who encounter difficulty in any of their courses are encouraged to visit the Tutoring Resource Center (Room 119 in Fallerius Technical Education Center) for tutoring assistance, and the Student Success Center (Room 136 in Kee Hall) for academic assistance, advising services, referrals for personal counseling and Learning Disability (LD) Testing.

**Statement on Withdrawals**: As a student, you are expected to attend class. If you are unable or choose not to attend class, or if for whatever reason you are unable to keep up with the requirements of a course, you need to officially drop the class at the Student Records Office. Refund dates and withdrawal dates will vary slightly from term to term. Contact the Student Records Office for applicable dates. Additionally these dates are posted on the academic calendar available on the college’s website, [www.ncstatecollege.edu](http://www.ncstatecollege.edu), under the Academics heading on the home page and are available at the Student Records Office in Kee Hall. Students should go to the Student Records Office (Room 142 in Kee Hall) to process their withdrawal from any class.

If you choose to walk away from your class without officially withdrawing from it, the faculty member teaching the class must grade your classroom performance on the material available to him or her. This normally results in an "F" grade. An "F" grade can lower your grade point average considerably depending on the total credits accumulated.