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, 2019

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>
<td></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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<tr>
<td>Information Literacy</td>
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<tr>
<td>Quantitative Literacy</td>
<td></td>
</tr>
</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>
</tbody>
</table>

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:**
   Click here to enter text.

S. **Classroom Expectations:**
   Click here to enter text.

T. **College Procedures/Policies:**

   Important information regarding College Procedures and Policies can be found on the syllabus supplement located at https://sharept.ncstatecollege.edu/committees/1/curriculum/SiteAssets/SitePages/Home/SYLLABUS%20SUPPLEMENT.pdf

   The information can also be found Choose an item.