Course Information

**Description**
This is an introductory course that emphasizes the structure of the human body and the functional interrelationships of the body's systems. Consideration is given to the human body and disease, human genetics, human ecology, and the role that humans play in the environment. The course consists of 3 hours of lecture and 2 hours of lab per week. Note: This course does not meet requirements for or substitute for General Anatomy and Physiology or Anatomy & Physiology I and II.

**Total Credits** 4.00

Course Competencies

1. **Explore the hierarchical organization of life.**

   **Assessment Strategies**
   - 1. Written Product
   - 1.2. Written Objective Test
   - 1.3. Lab practical

   **Criteria**
   You will know you are successful when:
   - 1.1. Pass lab practical according to criteria established by instructor
   - 1.2. Written product shows evidence of logical critical thinking
   - 1.3. Written product follows prescribed format, meeting criteria for all components
   - 1.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   - 1.5. Evidence selecting and using information to investigate a point of view or conclusion
   - 1.6. Sees (makes) connections across disciplines, perspectives
   - 1.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

2. **Summarize cell structure and function, including organization as different tissues.**

   **Assessment Strategies**
   - 2.1. Written Product
   - 2.2. Written Objective Test
   - 2.3. Lab practical

   **Criteria**
   You will know you are successful when:
   - 2.1. Pass lab practical according to criteria established by instructor
   - 2.2. Written product shows evidence of logical critical thinking
   - 2.3. Written product follows prescribed format, meeting criteria for all components
   - 2.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   - 2.5. Evidence selecting and using information to investigate a point of view or conclusion
   - 2.6. Sees (makes) connections across disciplines, perspectives
   - 2.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations
3. **Examine the structure and functions of the integumentary system.**

   **Assessment Strategies**
   3.1. **Written Product**
   3.2. **Written Objective Test**
   3.3. **Lab practical**

   **Criteria**

   *You will know you are successful when:*
   - 3.1. Lab practical passed according to criteria established by instructor
   - 3.2. Written product shows evidence of logical critical thinking
   - 3.3. Written product follows prescribed format, meeting criteria for all components
   - 3.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   - 3.5. Evidence selecting and using information to investigate a point of view or conclusion
   - 3.6. Sees (makes) connections across disciplines, perspectives
   - 3.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

4. **Investigate the structures of the cardiovascular system, including function and location.**

   **Assessment Strategies**
   4.1. **Written Product**
   4.2. **Written Objective Test**
   4.3. **Lab practical**

   **Criteria**

   *You will know you are successful when:*
   - 4.1. Lab practical passed according to criteria established by instructor
   - 4.2. Written product shows evidence of logical critical thinking
   - 4.3. Written product follows prescribed format, meeting criteria for all components
   - 4.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   - 4.5. Evidence selecting and using information to investigate a point of view or conclusion
   - 4.6. Sees (makes) connections across disciplines, perspectives
   - 4.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

5. **Explore the mechanisms for defense of the body.**

   **Assessment Strategies**
   5.1. **Written Product**
   5.2. **Written Objective Test**
   5.3. **Lab practical**

   **Criteria**

   *You will know you are successful when:*
   - 5.1. Lab practical passed according to criteria established by instructor
   - 5.2. Written product shows evidence of logical critical thinking
   - 5.3. Written product follows prescribed format, meeting criteria for all components
   - 5.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   - 5.5. Evidence selecting and using information to investigate a point of view or conclusion
   - 5.6. Sees (makes) connections across disciplines, perspectives
   - 5.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

6. **Examine the structures of the digestive system, including function and location.**

   **Assessment Strategies**
   6.1. **Written Product**
   6.2. **Written Objective Test**
   6.3. **Lab practical**
Criteria

You will know you are successful when:

6.1. Lab practical passed according to criteria established by instructor
6.2. Written product shows evidence of logical critical thinking
6.3. Written product follows prescribed format, meeting criteria for all components
6.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
6.5. Evidence selecting and using information to investigate a point of view or conclusion
6.6. Sees (makes) connections across disciplines, perspectives
6.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

7. Examine the structures of the respiratory system, including function and location.

Assessment Strategies
7.1. Written Product
7.2. Written Objective Test
7.3. Lab practical

Criteria

You will know you are successful when:

7.1. Lab practical passed according to criteria established by instructor
7.2. Written product shows evidence of logical critical thinking
7.3. Written product follows prescribed format, meeting criteria for all components
7.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
7.5. Evidence selecting and using information to investigate a point of view or conclusion
7.6. Sees (makes) connections across disciplines, perspectives
7.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

8. Examine the structures of the urinary system, including function and location.

Assessment Strategies
8.1. Written Product
8.2. Written Objective Test
8.3. Lab practical

Criteria

You will know you are successful when:

8.1. Lab practical passed according to criteria established by instructor
8.2. Written product shows evidence of logical critical thinking
8.3. Written product follows prescribed format, meeting criteria for all components
8.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
8.5. Evidence selecting and using information to investigate a point of view or conclusion
8.6. Sees (makes) connections across disciplines, perspectives
8.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

9. Examine the structures of the musculoskeletal system, including function and location.

Assessment Strategies
9.1. Written Product
9.2. Written Objective Test
9.3. Lab practical

Criteria

You will know you are successful when:

9.1. Lab practical passed according to criteria established by instructor
9.2. Written product shows evidence of logical critical thinking
9.3. Written product follows prescribed format, meeting criteria for all components
9.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
9.5. Evidence selecting and using information to investigate a point of view or conclusion
9.6. Sees (makes) connections across disciplines, perspectives
9.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations
10. **Examine the structures of the nervous system and sense organs, including function and location.**

   Assessment Strategies
   10.1. Written Product
   10.2. Written Objective Test
   10.3. Lab practical

   **Criteria**
   
   *You will know you are successful when:*
   10.1. Lab practical passed according to criteria established by instructor
   10.2. Written product shows evidence of logical critical thinking
   10.3. Written product follows prescribed format, meeting criteria for all components
   10.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   10.5. Evidence selecting and using information to investigate a point of view or conclusion
   10.6. Sees (makes) connections across disciplines, perspectives
   10.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

11. **Examine the structures of the endocrine system, including function and location.**

   Assessment Strategies
   11.1. Written Product
   11.2. Written Objective Test
   11.3. Lab practical

   **Criteria**
   
   *You will know you are successful when:*
   11.1. Lab practical passed according to criteria established by instructor
   11.2. Written product shows evidence of logical critical thinking
   11.3. Written product follows prescribed format, meeting criteria for all components
   11.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   11.5. Evidence selecting and using information to investigate a point of view or conclusion
   11.6. Sees (makes) connections across disciplines, perspectives
   11.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

12. **Examine the structures of the reproductive system, including function and location.**

   Assessment Strategies
   12.1. Written Product
   12.2. Written Objective Test
   12.3. Lab practical

   **Criteria**
   
   *You will know you are successful when:*
   12.1. Lab practical passed according to criteria established by instructor
   12.2. Written product shows evidence of logical critical thinking
   12.3. Written product follows prescribed format, meeting criteria for all components
   12.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
   12.5. Evidence selecting and using information to investigate a point of view or conclusion
   12.6. Sees (makes) connections across disciplines, perspectives
   12.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

13. **Investigate factors related to human genetics and inheritance.**

   Assessment Strategies
   13.1. Written Product
   13.2. Written Objective Test
   13.3. Lab practical
Criteria
You will know you are successful when:
13.1. Lab practical passed according to criteria established by instructor
13.2. Written product shows evidence of logical critical thinking
13.3. Written product follows prescribed format, meeting criteria for all components
13.4. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
13.5. Evidence selecting and using information to investigate a point of view or conclusion
13.6. Sees (makes) connections across disciplines, perspectives
13.7. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

Assessment Strategies
14.1. Written Objective Test
14.2. Written Product
Criteria
You will know you are successful when:
14.1. Written product shows evidence of logical critical thinking
14.2. Written product follows prescribed format, meeting criteria for all components
14.3. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
14.4. Evidence selecting and using information to investigate a point of view or conclusion
14.5. Sees (makes) connections across disciplines, perspectives
14.6. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations

15. Summarize concepts relating global ecology and human actions.
Assessment Strategies
15.1. Written Objective Test
15.2. Written Product
Criteria
You will know you are successful when:
15.1. Written product shows evidence of logical critical thinking
15.2. Written product follows prescribed format, meeting criteria for all components
15.3. Written product exhibits correct and appropriate grammar, punctuation, spelling, syntax, and word usage
15.4. Evidence selecting and using information to investigate a point of view or conclusion
15.5. Sees (makes) connections across disciplines, perspectives
15.6. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations