

*Pratima Patil*  
*Biology/Human Biology/Anatomy and Physiology Instructor*  
*Academy for Health and Medical Sciences at SCVTHS*  
*14 Vogt Drive, Bridgewater, NJ 08807*  
*Email: [ppatil@scvts.net](mailto:ppatil@scvts.net)*  
*Phone: 908 526 8900 Ext. 7185*  
**Human Biology**  
**College Credit Course**

## **Catalog Description**

This course is an introductory study of the human body. Emphasis will be placed on the basic anatomy and physiology of the human systems and their interactions. The course is designed to give students a general understanding of their bodies in health and disease.

Human Biology satisfies general education requirements and serves as a science elective for non-science, as well as, science majors. Human Biology is needed for the Medical Coding certificate program, the AAS in Health Information Technology and the Medical Assistant certificate.

## **Outline of Course Content**

1. Human Biology, Science, & Society
2. The Chemistry of Living Things
3. The Structure & Function of Cells
4. From Cells to Organ Systems
5. The Skeletal System
6. The Muscular System
7. The Nervous System: Integration and Control
8. Sensory Mechanism
9. Blood
10. Heart & Blood Vessels
11. The Respiratory System: Exchange of Gases
12. The Digestive System & Nutrition
13. Reproductive Systems
14. The Endocrine System

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## **Educational Goals and Learning Outcomes**

### **A. Educational Goals**

After completion of this course, the student will be able to:

1. Communicate and collaborate with others in a clear, logical manner regarding the structure and function of the human body

### **B. Learning Outcomes**

At the conclusion of the course, students will be able to:

1. Identify important anatomical structures associated with the human body.
2. Demonstrate an understanding of the basic physiological mechanisms associated with the human body.
3. Apply their knowledge to their own health and well-being.

## **Modes of Teaching and Learning**

- A. Lecture/Discussion
- B. Small-Group Work
- C. Computer-Assisted Instruction
- D. Laboratory
- E. Student Oral Presentations

## **Papers, Examinations, and other Assessment Instruments**

- A. Lecture Exams
- B. Laboratory Exams
- C. Final Exam
- D. Term Research Paper & Oral Presentation