

## ALLIED MEDICAL Syllabus: Level 1

**Teacher** Tracey Skiles

**Voice** 380-0200 ext. 135

**Room #** 135

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### Course Description:

The Allied Medical program is a three-year program designed for students who display an interest in the health care field. Study includes instruction in the basic sciences, research and clinical procedures, and aspects of the subject matter related to various health occupations. This program offers a carefully sequenced composite of college-level course work, maximizing the availability of college credits for students on a tuition free basis.

**Dynamics of Health Care in Society** This course provides an orientation to health care services and their delivery. It presents an interdisciplinary perspective, focusing on process skills such as critical thinking, ethical reasoning, effective communication and ways to continue independent learning throughout life. The course shows how all health care providers acquire professional competence in dealing with the issues and problems they face as well as the role they play as informed consumers.

### Course Objectives:

The goal of this course is to orient students to health care occupations, services, and their delivery.

After completion of this course, students will be able to:

- Develop critical thinking skills and strategies for solving problems.
- Understand how various health team members function in diverse health care settings to serve the needs of individuals and society as a whole.
- Demonstrate the characteristics, behaviors, and attitudes of professionals.
- Clarify and analyze their own values and the values of others.
- Speak and write clearly, effectively, and forcibly
- Detect and circumvent barriers that obstruct interpersonal communication.
- Analyze the fundamental questions and implications raised by selected ethical health care issues.
- Communicate effectively with patients, of all ages, from a variety of cultural backgrounds.
- Develop satisfactory personal and professional definitions of health, wellness, illness and disease and analyze factors that affect health status.
- Demonstrate an understanding of the evolution, nature and complexities of the U.S. health care delivery system.
- Differentiate among some of the key technical, economic, social moral, legal, and political issues associated with biomedical technologies.
- Demonstrate an understanding of the complex problems that underlie the escalation of costs for health care in the U.S. and suggest ways of solving them.
- Analyze current health care policy issues and describe how particular factors and groups affect the formulation of health care policy.

### Course Requirements:

Attendance is required to keep up with the information presented in class. Students will be expected to participate in classroom discussions and group activities. Each course unit may include readings, assignments, and various quizzes. There will be a cumulative final exam based

on class content and assigned readings. Students are also required to complete a job shadowing experience and volunteer project.

**Criteria for Assessing Student Performance:**

Grades will be composed of the following elements:

Test /Projects	50%
Quizzes	20%
Homework/Portfolios	20%
Classroom Participation/Daily Grade	10%

*Benchmark: Mid-term and Final Exam weighted separately*

Final Grade:	Mid-Term Examination	10%
	Final Examination	10%
	Semesters 1-4	80%

**Standards:**

New Jersey Student Learning Standards (NJSLS) in English Language Arts and Mathematics; 8.1 and 8.2 Technology Standards; 21st Century Life and Careers Standards that include: Career Ready Practices; 9.1 Personal Financial Literacy; 9.2 Career Awareness, Exploration, and Preparation; 9.3. Career and Technical Education aligned to industry standards.

**Textbooks, Related Readings:**

- Health Careers Today-*Gerdin*
- Diversified Health Occupations- *Simmers*
- Health Care Politics and Policies- *Littman*
- Medical Law and Ethics- *Lipman*
- Health Care Fundamentals: *Badasch*
- Caring for Patients from Different Cultures- *Galante*

## ALLIED MEDICAL Syllabus: Level 2

### Course Description:

The Allied Medical program is a three-year program designed for students who display an interest in the health care field. Study includes instruction in the basic sciences, research and clinical procedures, and aspects of the subject matter related to various health occupations. This program offers a carefully sequenced composite of college-level course work, maximizing the availability of college credits for students on a tuition free basis.

**Medical Terminology** is the study of words that pertain to body systems, anatomy, physiology, medical processes and procedures and a variety of diseases. It provides specialized language for the health care team, enabling health care workers to communicate in an accurate, articulate and concise manner. This course is designed to give the students a comprehensive knowledge of word construction, definition and use of terms related to all areas of medical science. The course includes but is not limited to terms related to anatomy of the human body, functions of health and disease, and the use of language in diagnosing and treating conditions related to all of the human body systems. This course replaces the earlier study of Latin and Greek for future healthcare professionals, as it focuses words used in the medical fields. This course serves as an important pre-requisite to Anatomy and Physiology. It is useful in preparing students for every career in allied health.

### Course Objectives:

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

1. Understand the necessity of a medical vocabulary.
2. Recognize that medical terms are derived from simpler components.
3. Build medical words from component parts.
4. Categorize terms as anatomical, diagnostic, surgical, radiological, pharmacological, or therapeutic.
5. Understand basic anatomy and physiology.
6. Explain the meaning of word parts associated with each unit.
7. Define all important terms.
8. Accurately spell all medical terms.
9. Correctly pronounce all medical terms.
10. Write meaning of generally accepted abbreviations.
11. Explain basic pharmacology associated with all body systems.
12. Identify and discuss basic pathology associated with all body systems

### Course Requirements:

Attendance is required to keep up with the information presented in class. Students will be expected to participate in classroom discussions and group activities. Each course unit may include readings, assignments, and various quizzes. There will be a cumulative final exam based on class content and assigned readings. Students are also required to complete a Junior Research paper and participate/develop a volunteer project.

### Criteria for Assessing Student Performance:

Grades will be composed of the following elements:

Test /Projects	50%
Quizzes	20%
Homework/Portfolios	20%

Classroom Participation/Daily Grade 10%  
*Benchmark: Mid-term and Final Exam weighted separately*

Final Grade: Mid-Term Examination 10%  
Final Examination 10%  
Semesters 1-4 80%

**Standards:**

New Jersey Student Learning Standards (NJSLS) in English Language Arts and Mathematics; 8.1 and 8.2 Technology Standards; 21st Century Life and Careers Standards that include: Career Ready Practices; 9.1 Personal Financial Literacy; 9.2 Career Awareness, Exploration, and Preparation; 9.3. Career and Technical Education aligned to industry standards.

**Textbooks, Related Readings:**

Medical Terminology for Health Professions, 8th Edition, 2017, Cengage Publishing: *Ehrlich*

## ALLIED MEDICAL Syllabus: YEAR 3

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**Anatomy and Physiology I.** is the study of the structure and function of the human body. This course follows a sequential development of the major body systems in an organized and structured curriculum. The course is designed to give the students a selective overview of human anatomical structure and an analysis of human physiological principles. Labs will include slide work, dissection of various animals and studies of the human skeleton. The course will also use computer simulated dissection.

### Course Objective:

The overall purpose is to allow the students to earn college credits and receive practical health care practitioner skills, while keeping multiple health career options open. This is achieved through academic, clinical, and community service opportunities. Students will experience clinical rotations in various health care settings. Some of these experiences include Crest Haven Nursing Home, Cape May Regional Hospital, Atlantic City Medical Center and Cape May County Special Services. In addition to the academic and clinical challenges the students will also participate in community projects. Students will be encouraged to develop, plan and implement these projects thereby increasing their exposure to the rewards of community service.

The intent of this program is to encourage entry into community, state colleges and universities and to ease upward career mobility.

Upon completion of this course the student will be able to:

1. Utilize the language of anatomy to describe levels of structural organization and example of homeostasis
2. Apply basic concepts of chemistry and biochemistry.
3. Identify microscopic structures as presented in the lab.
4. Identify and explain the structure and function of the major body systems and explain their interrelationships with one another in maintaining homeostasis.
5. Identify and locate gross structures of the human anatomy.
6. Develop dissection and lab skills with awareness of infection control and safety.
7. Compare and contrast normal and abnormal characteristics and functions of the body.

### Course Requirements:

Attendance is required to keep up with the information presented in class. Students will be expected to participate in classroom discussions and group activities. Each course unit may include readings, assignments, and various quizzes. There will be a cumulative final exam based on class content and assigned readings. Students are also required to complete a Senior Project and participate/develop a volunteer project.

**Criteria for Assessing Student Performance:**

Grades will be composed of the following elements:

Test /Projects	50%
Quizzes	20%
Homework/Portfolios	20%
Classroom Participation/Daily Grade	10%

*Benchmark: Mid-term and Final Exam weighted separately*

Final Grade:	Mid-Term Examination	10%
	Final Examination	10%
	Semesters 1-4	80%

**Standards:**

New Jersey Student Learning Standards (NJSLS) in English Language Arts and Mathematics; 8.1 and 8.2 Technology Standards; 21st Century Life and Careers Standards that include: Career Ready Practices; 9.1 Personal Financial Literacy; 9.2 Career Awareness, Exploration, and Preparation; 9.3. Career and Technical Education aligned to industry standards.

**Textbooks, Related Readings:**

Human Anatomy and Cellular Physiology- *Holes*  
Hole's Human Anatomy and Physiology: *David Shier*  
Human Form, Human Function: *McConnel*