The Center of Applied Technology North
Academy of Health Professions

Course: Honors Academy of Health Professions I

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Course Description: This full year course is designed for 11th grade students interested in health-related professions. The primary areas of study include: foundations of medicine, health sciences, and structure & function of the human body. Students will also engage in processes and hands-on procedures that are used in the delivery of essential healthcare services. Fieldtrips to explore health career opportunities will be provided. Students will become certified in CPR / First Aid and have the opportunity to earn Proficiency Credits from Anne Arundel Community College. Successful course completion is required to proceed to the Academy of Health Professions Level II.

Instructional Philosophy: The staff of the Center of Applied Technology North dedicate our efforts to providing a diverse group of Anne Arundel County Public School System students with access to rigorous Career and Technical Education programs. We pledge that our students will acquire the entry level technical skills, certifications, and professional work ethic needed to make them marketable to the business community and prepared to continue their education after graduating from high school.

Required Supplies, Clothing and Fees:

Supplies: Students are expected to have the following items with them in class daily.

- **Binder-1" black with clear plastic front to be used as Academy of Health Professions Portfolio**
- **Binder-2" for student's classwork/homework**
- **Dividers for student binder**
- **Sheet protectors**
- **Paper**
- **Black Pens**
- **Pencils**
- **3 x 5 cards (500+)**
- **Pen/Jump drive**
- **Watch with a second hand (not digital or smartwatch)**
- **Textbooks:**
  Medical Language, Immerse Yourself, 5nd Ed, 2020, Susan Turley, Pearson.

Clothing/Uniforms: (Uniform policy is enforced from classroom to field site and back to classroom)

Uniform Dress Code

A. A proper **uniform** includes the following:
   1. **Black scrub pants -** Pants must be worn snuggly around the waist to prevent exposure of the undergarments. They should be neatly hemmed to a safe length- no longer than ¼ inch above the bottom of the shoe.
   2. **Solid Gray Scrub Top without any design or emblem/decoration with solid white or black shirt underneath (no writing on shirt)**
   3. **May wear a Solid Black Scrub Jacket for warmth over scrub top.**
   4. **White shoes –** Closed heel and toe**.** Athletic shoes may be worn if they are completely **white, nonpermeable and can be cleaned (no mesh or canvas)** and are strictly worn for clinical. NO rubber toe shoes.
   5. **Working Watch with second hand (not digital and no smartwatches)**
   6. Undergarments cannot show at any time (including sport bra or bralette straps)
   7. Accessories, such as hairbands, ties and clips, should be solid Black, Gray or White.
   8. Students need to have a black pen and paper on all clinical days.
   9. Identification Badge worn above the waist
   10. **NO Cell Phones are allowed at clinical or on field trips.**

B. Grooming
   1. Daily bathing, deodorant use with minimal use of perfume and scented powders
   2. Hair kept clean, with natural hair color and conservative style, secured behind neck with clips and/or bands (less than 3" wide) away from the face. Hair cannot extend below the shoulder blades. (Any drastic change in hair color/style may be considered inappropriate for clinical and should be discussed with instructor beforehand.)
   3. Make-up should be natural looking (no artificial eyelashes or bright and/or glittery make-up)
   4. Fingernails must be clean, without polish and not extending beyond tips of fingers. **No artificial nails, tips, or acrylics allowed.** Students with artificial nails will not be allowed to participate in clinical activities and will receive a "0" for the day.
   5. Jewelry is limited to one small pair of stud earrings located centrally in the ear lobes. **NO rings, necklaces or bracelets. All visible piercings (i.e. tongue, nose, eyebrow, lip rings, etc.) must be removed in order to attend clinical.**
   6. Tattoos must be covered with flesh colored Band-Aids at all times.

C. Lab Dress Code (When no uniform required)

During laboratory activities, you are expected to adhere to the following guidelines:
   a. Flat, closed toe and heel, leather shoes (NO canvas, sandals, shoes with hard heels or cleats, or high heels will be allowed in the lab.)
   b. Appropriate dress includes NO halter or tank tops (unless instructed by teacher), bare midriffs, or miniskirts.
   c. Hair must be secured behind neck with clips, bands, or scrunchies and not extend below the shoulder blades.
   d. No coats may be worn in the lab
   e. Jewelry must not dangle.

Fees:

- **Health Form (Completed by physician)……. varies**
- **Stevenson University Exam Fee……$20**
- **CPR Fee …… $50**
- **Anatomy Gifts Registry Field Trip …… $30**
- **Uniform (**individually purchased thru CATN approved company) **……$24-29 (approximately)**
- **SkillsUSA dues (optional)…… $20**
- **Additional fees for SkillsUSA competitions (optional)…….varies**

Course Objectives:

1. Describe the professional and ethical role of the health-care provider.
2. Describe law and ethics as applied to a health-care provider and liability insurance.
3. Incorporate HIPAA when providing patient care in the healthcare setting.
4. Utilize appropriate verbal and non-verbal communication skills when interacting with patients, instructors, other healthcare providers and classmates.
5. Use medical terminology to describe the human body in health and disease.
6. Demonstrate principles of asepsis including standard precautions, sanitation, disinfection and sterilization techniques.
7. Demonstrate Vital Signs, Height and Weight
8. Complete CPR and First Aid certifications.

Content Outline:

I. Introduction to Health Professions

A. Orientation
B. Personal Characteristics of a Health Care Worker
C. Professional Qualities of a Health Care Worker
D. Portfolio Development (Introduction)
E. Skills USA

II. Communication in Health Care

A. Communication Process
B. Origins of Medical Language
C. Medical Words and Word Parts
D. Singular and Plural Forms
E. Abbreviation Introduction
F. Pronunciation

III. Medical Language and Health Care Today

A. The Body in Health and Disease
B. Medical Specialties
C. Disease Categories
D. Health Care Systems and Facilities
E. Careers in Health Care

Skills: Handwashing, Donning and Removing PPE

IV. Dermatology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: temperature, Positioning

V. Gastroenterology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

VI. Pulmonology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: Respirations, Incentive Spirometry, CDB, Pulse Oximetry

VII. Cardiology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: Pulse and BP

VIII. Hematology and Immunology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

IX. Orthopedics/ Skeletal System

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: Height and Weight

X. Orthopedics/ Muscular System

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: ROM, Transfers

XI. Neurology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: Pain Assessment

XII. Urology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

Skills: Intake and Output

XIII. Male Reproductive Medicine/ Male GU System

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

IVX. Gynecology and Obstetrics/ Female and Reproductive System

A. Anatomy & Physiology

B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

XV. Endocrinology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations

XVI. Ophthalmology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations
F. Skills: Vision assessment

XVII. Otolaryngology

A. Anatomy & Physiology
B. Diseases and Conditions
C. Laboratory and Diagnostic Procedures
D. Medical Procedures, Drugs, and Surgical Procedures
E. Abbreviations
F. Skills: Otoscope use

XVIII. Proficiency exam review

XIX. Promotion of Safety

A. First Aid Certification
B. AHA BLS CPR Certification

XX. Career Exploration Field Trips (incorporated throughout the curriculum)

XXI. "Making the Right Choice"- Introduction to Level 2 Certification Options:

A. Nursing Assistant Roles and Responsibilities
B. Medical Assistant Roles and Responsibilities
C. Pharmacy Technician Roles and Responsibilities

Grading Process Information

1. Grading Scale

A (90-100%) - Outstanding level of achievement
B (80-89%) - High level of achievement
C (70-79%) - Satisfactory level of achievement
D (60-69%) - Low level of achievement
E (59% -50) - Failure
0 – If student does not attempt the work

2. **Category Weights**

50% - Summative Assessments (ex: Clinical/Skills Evaluations, Large Projects, Assessments)
15% - Formative Assessments (ex: Drills, Classwork, Clinical Reports, Smaller projects)
10% - Homework
15% - Work Habits (see form on next page)
10% - Quarterly Assessment

3. **Due Dates / Late Work**

All assignments will have a due date. Assignments submitted after the due date will be penalized on a sliding scale basis. Health Occupation Students will have 20% deducted for the first day late and then 10% per day thereafter at the teacher's discretion. The outside date for late work to be submitted shall be five school days from the original due date.

4. **Opportunity for Mastery**

Per AACPS regulation, students may redo up to three (3) assessments and/or assignments each quarter. Students are encouraged, but not required, to participate in teacher-led reteaching. All redo items must be completed within ten days of receiving the original grade and may only be redone one time. The higher of the two grades will be used for calculating the student's quarter grade. The teacher may choose to have the student redo all of an assessment or assignment or may have student only redo specific items or parts of the work. Students may NOT redo homework, the quarterly assessment, or a large project. However, students may redo parts of a large project, if graded separately by the teacher, with each part counting as a separate redo. Assessments or assignments due in the last week of the quarter are not eligible for a redo.

5. **Minimum Grades**

A minimum grade of 50% will be assigned to assignments or assessments for which the student made a good faith effort, as determined by the teacher, to meet the basic requirements. If a student does no work on an assignment or assessment, the teacher will assign a grade of zero.

6. **Group Work Grades**

On occasion, students will be asked to work in small groups on a variety of assignments. In those cases, each student will be individually assessed and assigned a grade that reflects their own level of success in meeting the outcomes for that particular assignment.

7. **Academic Integrity**

A student who exhibits academic dishonesty, as determined by the teacher and administrator will receive a zero on the particular assessment/assignment in question. Violations of the Academic Integrity Policy and Regulation may result in disciplinary action. Consequences for violations may vary according to the severity of the violation and shall follow the progressive interventions and discipline as outlined in the Student Code of Conduct.

8. **Health-Care Facility Trips**

Students will be visiting various health-care facilities throughout the school year. Students will be transported via school bus on an approved Anne Arundel County Public Schools bus company. The trips will be during normal class times and students will return to CATN to depart using their normal method at the end of class. There are not any fees associated with these trips (except for the Anatomy Gifts Registry).

Assessment Information

There will be a minimum of nine separate assignments or assessments, an average of one grade per week, for course content, skills, and mastery in addition to homework.

Prerequisite for AOHP Level II

Students must end their AOHP Level 1 Course with a "C" (70%) or better to qualify for Level II AOHP program.

<u>Parent Notification Information</u>

1. **Types of Parent Notification**
    a. Phone calls (I can be reached at 410-969-3100 x206)
    b. E-mail
    c. Parent/Teacher conferences
    d. Grades can be accessed online through ParentConnect

2. **To allow for timely, potentially corrective action, prompt communication with a parent/guardian will occur if:**
    a. A student is in danger of failing or
    b. A student is in danger of dropping the equivalent of 2 or more letter grades at any point during the marking period.

Academy of Health Professions I Syllabus

By signing below, you acknowledge that you have read and understand the syllabus

Student Name: _____

After reading the syllabus carefully, please sign and return this page to your student's teacher.

Parent/Guardian signature:_____ Date:_____

Parent/Guardian Printed Name: _____

Phone: _____

Email:_____

Student signature:_____ Date:_____

Student printed name: _____

Please tear this page off and return to school.

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