

-HEALTH SCIENCE ACADEMY

PHARMACY TECHNICIAN COURSE SYLLABUS

Instructor: Karen DiMauro, RN
2011 - 2012

COURSE DESCRIPTION: The Health Science Academy is designed for College Tech Prep and career technical education Trumbull County students in grades 11-12. The course of study portion of this program reflects the academic and technical competencies for secondary education students. The technical focus is on the blending of a variety of health care concepts into hands-on applications for the improvement of life. Students transitioning to post-secondary education will receive reinforcement and additional training in these areas.

During the first semester all Health Science Academy (HSA) students will complete course work that is basic/core to all medical programs. They will then go into one of three pathways. Therapeutic or hands on care will be taught in the pre-nursing pathway. The medical assisting program will focus on clinical and clerical administrative skills needed to work in an ambulatory care setting.

The Pharmacy Technician pathway is part of the Health Science Academy at the Trumbull Career and Technical Center. The first semester is comprised of the core elements such as medical terminology, anatomy/physiology, career exploration, business processes, medical math, legal/ethical responsibilities, safety, CPR/First Aid and measuring vital signs. The third nine weeks will be spent taking the Nurse Aide Training Program, which if successfully passed, will enable the student to take the state test to become a State Tested Nurse Aide. The fourth nine weeks and the second year will be the required elements of the Pharmacy Technician course. Upon successful completion, the student will be eligible to become a nationally Certified Pharmacy Technician through the Pharmacy Technician Certification Board (PTCB).

INSTRUCTIONAL PHILOSOPHY: Students will work independently and in groups to complete course topics. Instruction will be presented through lectures, students rotating through modules, which are designed to develop skills, attitudes and work habits sufficient to enter and make progress in health occupations, individual journal-keeping and independent research projects. Students will also work in health-care facilities to gain on the job experience.

TEXTBOOKS: Thomson Learning, **Introduction To Health Care**, 2ndED, DCM, **Medical Terminology 350 Series**, Morton's **Pharmacy Calculation**, 2nd Ed, Morton's **The Pharmacy Technician**, 3rd Ed, and Elsevier's **Pharmacy Management Software**.

CURRICULUM: This course will follow the Trumbull Career and Technical Center's Health Science Academy Pharmacy Technician Course of Study.

TOPICS COVERED:

- * Medical Terminology
- * Career Exploration
- * Business Processes
- * Medical Math
- * Safety and Infection Control
- * Legal and Ethical Responsibilities
- * CPR and First Aid
- * Vital Signs
- * Anatomy and Physiology
- * Nurse Aide Training Program
- * Pharmacy Law and Ethics
- * Pharmaceutical Calculations
- * Compounding
- * Inventory Control
- * Record Maintenance
- * Pharmacy Operations
- * Pharmacy Computer Program
- * Drug Names and Classifications
- * Drug Regulation and Control
- * Drug Information Sources

MAJOR COURSE PROJECTS AND ASSIGNMENTS:

Daily Journal: Since the study of health care involves the study of the body and its functions, patient care techniques and documentation skills, personal insights, feelings, and reflections are crucial to full understanding. Students will complete a daily log, reflecting on what they have learned, what they have experienced in class or the community and how their learning relates to their own understanding of their health and the health of others.

Reading Assignment: Each week, students will choose an article on a health-related issue and complete an assessment sheet that includes the title and publication date, a summary and personal opinion of the article. Over the course of a nine-week grading period, students must choose no less than three newspaper articles, three magazine articles, one Internet article and one report from television or the media.

Job Shadowing: Students will participate in a job shadowing experience to help the student to see what an actual day in a health care setting is like. Student will be responsible for acquiring job site with the approval of the instructor. The student is responsible for his/her own transportation to the job site. This must be completed as part of the requirements for obtaining their certificate of completion.

Senior Project: Each senior student will be responsible for completing a project that is reflective of their program. This project will be assigned and approved by their program instructor. It must be completed as a required part of their program completion. All four parts of the senior project must be passed to receive their certificate of completion

Community Service: Each student must complete 50 hours of volunteer time in a pharmacy setting. This time must be documented and reported on.

MATERIALS REQUIRED:

- * 1000-3x5 index cards
- * Pencils and pens (blue/black only)
- * 3" binder
- * Loose-leaf paper
- * Colored pencils
- * 1" binder

ATTENDANCE POLICY: In the health care field, attendance is of the utmost importance. This class will follow the TCTC guidelines on attendance found in your Student Handbook! If you have an excused absence, it is **your responsibility** to see me for the assignment. The student may NOT miss more than 36 days in two years for **any reason** in order to receive their certificate of completion.

GRADING SYSTEM: Grades are calculated using the point system.

Lab work- on time and complete	100 points/assignment
Lab Competency Tests	100 points/test
Classroom Tests	100 points
Journal	50 points/week
Healthcare Articles	50 points/week
Daily Attributes	40 points/day

The TCTC Grading System is:

92-100	A
83-91	B
74-82	C
66-73	D
0-65	F

Discipline: This class will follow the TCTC guidelines for discipline found in your Students Handbook. General lab rules will be handed out the first week of class.

If you need extra help during the school year, please do not hesitate to see me. I can make myself available to you at any time. It is my goal to help make your stay here in the Pharmacy Technician program at the TCTC, a happy and successful experience.

Mrs. Karen DiMauro, RN
Pharmacy Technician Instructor

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