

Medical Therapeutics

Class Syllabus

Instructor: Shannon Titus

Course Description:

Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic services. Upon completion of this course, a proficient student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments.

Course Goals and Standards:

Career Planning and Compliance

- 1) Research careers within the therapeutic field, and document educational requirements as well as state and national guidelines governing practicing professionals (such as licensing, certifications, training, compliance). Identify potential training programs, schools, and examinations appropriate to obtain required credentials for a specific occupation.
- 2) Investigate and compare the range of skills, competencies, and professional traits required for careers in the therapeutic field. Compare findings to current individual strengths and identify opportunities for personal development. Translate real-time and projected labor market data into narratives to identify local and national employment opportunities and determine areas of growth within therapeutic health fields.
- 3) Compare and contrast the specific laws and ethical issues that impact relationships among patients/clients and the healthcare professional (for example, patient confidentiality). Citing specific textual evidence to support analysis, debate these issues in an oral or written format.
- 4) Demonstrate understanding of major legislation and policy affecting health care interaction and delivery by explaining to a patient/client or classmate the American Hospital Association's "Patient Bill of Rights"; National Patient Safety Goals; and Joint Commission on Accreditation of Health Organizations (JCAHO).
- 5) Summarize the Health Insurance Portability and Accountability Act (HIPAA) and explain characteristics of advanced directives, living wills, durable power of attorney, and other legal directives governing medical treatment. Explain, using domain-specific language and accurate definitions of legal concepts, how the content of these legal documents impacts patients' rights for all aspects of care.
- 6) Gather data related to a specific health issue in a local community (for example, dental health, mental/social health, and chronic health). Identify all healthcare professionals practicing in that community aligned to that specific health issue. Justify the need for an increase or decrease in the number of practicing healthcare professionals based on current data.

Body Function and Structure

7) Outline the gross normal structure and function of all body systems, and summarize appropriate medical text(s) in order to list signs and symptoms of common diseases and disorders associated with each.

- a. Integumentary and lymphatic systems
- b. Nervous and musculoskeletal systems
- c. Cardiovascular and respiratory systems
- d. Digestive and urinary systems
- e. Reproductive and endocrine system

Infection Control/Medical Microbiology

8) Demonstrate concepts and skills of asepsis, Universal Precautions, sanitation, disinfection, and sterilization for patient/client care settings in adherence to standards and guidelines from the Center for Disease Control and Prevention (CDC) and the Occupational Safety and

Health Administration (OSHA) in a lab/clinical setting.

9) Define the term normal flora and explain how its deviation can prevent or cause a disease or disorder. Outline specific preventive measures to align to acceptable standards of care in the healthcare field.

Health Records

10) Research the documentation requirements and styles for at least two therapeutic careers.

Demonstrate application of proper documentation techniques for a given patient assessment in each of the identified careers.

11) Define the terms Health Informatics, Health Information Technology, and Health Information Management. Compare and contrast the features and purposes of each in different healthcare settings (such as a physician's office, hospital, or emergency services site).

12) Summarize information found in news media, professional journals, and trade magazines to examine how Telehealth has impacted the healthcare system and explain its benefits and challenges.

Patient/Client Interaction

13) Evaluate factors that contribute to effective patient/client communication, demonstrating sensitivity to barriers, cultural differences, and special needs individuals. Use role-plays to demonstrate effective practices within a clinical or classroom setting.

14) Accurately define and demonstrate an understanding of basic medical terminology in order to monitor patient/client status through assessment of:

- a. History and Physical (H&P) include but not limited to: family, environmental, social and mental history.
- b. Head-to-toe assessment
- c. Vital Signs assessment (VS)
- d. Height/weight, BMI calculation
- e. Dietary assessment
- f. Dental Assessment
- g. Visual examination
- h. Evaluation of diagnostic test results

15) Develop a detailed treatment plan, incorporating accurate medical language, for a case study patient using applicable assessment information following an interview with patient or family member.

Therapeutic Statistics

16) Synthesize charts, statistics, and other health-related data to understand the distribution and determinants of disease in target populations as related to therapeutic services (such as heart disease in women), and communicate this knowledge to the public through role-plays, written materials, or other informational resources to improve the health of the community.

17) Evaluate research related to diseases, statistical information, and epidemiology to determine the unique needs of a target population as related to therapeutic services (such as cardiovascular rehabilitation services). Compare the incidence of a particular disease/disorder within this population to its prevalence on local, state, regional, and national levels.

Community Health

18) Successfully perform American Red Cross or American Heart Association adult, child, and infant Basic Life Support (BLS) cardiopulmonary resuscitation (CPR) for Healthcare Providers and First Aid skills.

19) Research a local community emergency response team. Investigate therapeutic careers involved with emergency response; describe the education and training required for these healthcare professionals.

Tulahoma HOSA Graduation Stole Minimum Requirements:

The following are minimum requirements a student must complete to apply and purchase a graduation stole.

- Enroll in and pass all 4 Health Science related courses prior to graduation.
 - Health Science Education.
 - Medical Therapeutics
 - Anatomy & Physiology
 - Clinical Internship
- Be an active HOSA member in good standing for at least 3 school years at THS.
 - Must have signed up for HOSA and paid for dues each year.

- Participate in at least 3 HOSA volunteer activities/fundraising events/community service projects per school year.
- Participate in at least one HOSA Competition per school year at THS.
- Attend 70% of monthly meetings.
 - We host 1 meeting on the first Wednesday of every month therefore, 70% of meeting attendance with 10 months in a school year calculates an attendance of at least 7 meetings per school year.
- Submit the state application and payment at the same time.

Classroom Grades:

Projects 30%

Test 40%

Daily 30% (quizzes, homework, notebook grades
current event articles, weekly vocabulary quizzes, etc.).