



## Course Number and Title: MEA 170 Pharmacology for Medical Assistant

**Campus Location:**

Wilmington

**Effective Date:**

2018-52

**Prerequisite:**

MEA 120, MEA 150, SSC 100 or concurrent

**Co-Requisites:**

MEA 125, MEA 151

**Course Credits and Hours:**

4.00 credits

4.00 lecture hours/week

1.00 lab hours/week

**Course Description:**

This course is an introduction to chemical characteristics, actions, and uses of common prescription and over-the-counter drugs. Modes of contraindications are covered for each drug discussed.

**Required Text(s):**

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

**Additional Materials:**

Medical Assistant Program Manual

Allied Health/Science Department Program Student Policy Manual medical dictionary

**Schedule Type:**

Classroom Course

**Disclaimer:**

None

**Core Course Performance Objectives (CCPOs):**

1. Demonstrate medical assistant skills pertaining to clinical skills and medication administration. (CCC 2, 5, 6; PGC 2, 4)
2. Apply mathematical calculations pertaining to medications. (CCC 6; PGC 4)
3. Discuss nutrition pertaining to medications. (CCC 1, 3, 5; PGC 1, 4)
4. Discuss legal implications pertaining to medications. (CCC 2; PGC 2)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

**Measurable Performance Objectives (MPOs):**

Upon completion of this course, the student will:

1. Demonstrate medical assistant skills pertaining to clinical skills and medication administration.
  1. Describe structural organization of the body.
  2. List major organs in each body system.
  3. Identify anatomical location of major organs in each body system.
  4. Differentiate structure and function of the human body across the life span.
  5. Identify common pathology related to each body system, including diagnostic measures, symptoms, and etiology.
  6. Recognize pathology for each body system, including diagnostic measures and treatment modalities.
  7. Identify the classifications of medications, including indications for use, desired effects, side effects, and adverse reactions.
  8. Identify the rules of medication administration: right patient, right medication, right dose, right route, right time, and right documentation.
  9. Select proper sites for administering parenteral medication.
  10. Role play administering oral and parenteral (excluding IV) medications.
  11. Demonstrate how to instruct and prepare a patient for a procedure or treatment.
  12. Apply critical thinking skills when performing patient assessment.
2. Apply mathematical calculations pertaining to medications.
  1. Demonstrate knowledge of basic math computations.
  2. Apply mathematical computations to solve equations.
  3. Define basic units of measurement in the metric system and the household system.
  4. Convert among measurement systems.
  5. Identify abbreviations and symbols used in calculating medication doses.
  6. Compute proper dosages of medication for administration.
3. Discuss nutrition pertaining to medications.
  1. Describe dietary nutrients, including carbohydrates, fat, protein, minerals, electrolytes, vitamins, fiber, and water.
  2. Define the function of dietary supplements.
  3. Identify the special dietary needs for weight control, diabetes, hypertension, cancer, lactose sensitivity, gluten-free, and food allergies.
  4. Explain one's special dietary needs to a patient.
  5. Express awareness of patient's concerns regarding a dietary change.
4. Discuss legal implications pertaining to medications.
  1. Describe the process in compliance reporting for errors in patient care and incident reports.
  2. Chart patient care accurately in the medical record.
  3. Perform compliance reporting based on public health statutes.
  4. Identify and report an illegal activity in the healthcare setting following proper protocol.

**Evaluation Criteria/Policies:**

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

**Final Course Grade:**

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Summative Tests (6) equally weighted	15%
Summative Final Test (1)	5%
Summative Lab Competencies (19) equally weighted	60%
Summative Research Presentation (1)	5%
Formative Classroom/Homework Assignments (28) equally weighted	15%
TOTAL	100%

**Core Curriculum Competencies (CCCs are the competencies every graduate will develop):**

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

**Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):**

1. Exhibit effective nonverbal, verbal, and written communication in patient/client and family interventions and education and in professional relationships.
2. Exercise independent judgment and critical thinking in performance of medical assisting, according to the profession's standards of practice.
3. Demonstrate professional patterns of behavior consistent with the profession's code of ethics.
4. Demonstrate clinical competence by performing a full range of medical assistant procedures on all patient population.
5. Demonstrate administrative competence by performing a full range of medical assistant procedures on all patient population.

**Disabilities Support Statement:**

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.