

Glendale Unified School District

High School

June 21, 2022

Department: Career Technical Education

Course Title: Patient Care Technician Year Two

Course Code: 8946V

Grade Level(s): 10-12

School(s)

Course Offered: Glendale High School

UC/CSU Approved (Y/N, Subject): Yes, College-Preparatory Elective (G)

Recommended Prerequisite: None

Course Overview: In the second year of this program students will continue to build on the fundamental skills necessary for the Patient Care Technician in both the hospital and skilled nursing facility. The Patient Care Technician course is a learning experience that provides students an opportunity to apply their technical and academic skills in a hybrid model that allows for on-line asynchronous work paired with a hands-on medical lab experience. Students will develop and practice an understanding of the duties and responsibilities of a skilled Patient Care Technician including but not limited to anatomy and physiology, medical terminology, health and human growth and development, pharmacology, body mechanics, infection control, EKG, phlebotomy, physical assessment, pre and post op care and direct patient care. Students who complete this program will be eligible to take the national state exam to obtain certification as a Patient Care Technician. Each module contains several units which include: lecture, quizzes, worksheets and final exam. Additionally students will complete skills check off with instructor supervision.

### **Unit 1: Nutrition and Elimination**

#### STANDARDS

B12.3, B7.2 & B7.4

Common Core Standards: 11-12.7, Anchor standard 11

- A. Students will be able to identify various special diets and why they would be implemented, will be able to describe feeding techniques, will demonstrate measuring intake and output, catheter care, use of bedpan and urinal and changing ostomy bags.
- B. Optimal nutrition, Diets, Feeding patients: Assisting a patient to feed themselves, and feeding a patient, Intake and output, \*skills: measuring intake and output and documentation, Assisting with toileting \*skills: urinal, bedpan and bedside commode, Urinary catheters, Indwelling catheter care, emptying catheter bag, connecting catheter to leg bag and applying a condom catheter, Special bowel elimination procedures, Changing an ostomy bag and giving a commercially prepared enema
- C. Students will research and describe, in writing, assigned diets. Students will pick a favorite meal or snack and present to class with calories, protein, carbohydrates, fat and salt . They then will describe if it adheres to one of the diets , why or why not and how it could be changed to be to adhere to one diet, such as renal diet.
- D. Students will demonstrate measuring intake and output, use of bedpans and urinal, emptying catheter bag and other skills as listed.

### **Unit 2: Rehabilitation and Restorative Care**

#### STANDARDS

B8.2, B8.4, & B9.1

Common Core Standards: Anchor standard 11, 11-12.4 11-12.1

- A. Students will identify and demonstrate proper use of various assistive devices such as crutches, walkers and wheelchairs.
- B. Rehabilitation and restorative care: Activities of daily living, Ambulation Skills:
  - a. Transfer belt and the falling patient, Assistive devices for ambulation
  - b. Cane, crutches and walker, Range of motion exercises
  - c. Passive range of motion, Cold and heat applications,
  - d. Cold pack, hot soak and sitz bath, Compressive garment and breathing exercise
  - e. Compression hose, binders and assisted coughing and breathing exercise  
conclude with communication skills

- C. Students will be able to describe, in writing, the use of assistive devices and why and when they are used, and also describe assisted deep breathing and coughing exercises and why they are used.
- D. Students will present in pairs or small groups a patient scenario, practicing and demonstrating patient teaching and communication.

### **Unit 3: The Surgical Patient**

#### STANDARDS

B4.4, B10.1, B10.2, B10.3, B10.4, B10.5, B7.3, B6.1

Common Core Standards: Anchor standard 11, 11-12.4

- A. Students will be able to describe preoperative and postoperative care, when and how often to take vital signs, demonstrate proper hand washing and don protective equipment. Be able to use effective and empathetic communication as demonstrated in role playing exercises.
- B. Surgery- Infection control and psychological care, Preoperative care: prepare the skin, Operative care, Postoperative care: prepare postoperative unit, Compressive garments and breathing exercises, \*skills: compression hose, binders and assisted coughing and breathing exercise
- C. Students will be assigned either a patient scenario with a specific surgery and in small groups, will design patient teaching for the patient, pre and post op. Present to class. May use poster board or white board or powerpoint to present.

### **Unit 4: Specimen Collecting and Testing**

#### STANDARDS

B6.1, B6.3, B12.4

Common Core Standards: Anchor standard 11, 11-12.4

- A. Students will be able to describe and demonstrate correct procedures for specimen collection, and also what those specimens can be used to diagnose.
- B. Policies and Practices for Specimens, Collecting urine specimens: \*skills: routine urine , clean catch, 24 hour urine and pediatric urine specimen, Straining and testing urine , Straining urine, pregnancy testing and urinalysis, Stool Specimen and tests Stool specimen and testing stool specimen, Cultures and smears, \*skills: collecting throat, wound and sputum cultures, and microscope

- C. Students will correctly identify equipment for collecting specimens and protective equipment needed in writing. They will also include examples of conditions or symptoms which would require those specimens.

### **Unit 5: Phlebotomy**

#### STANDARDS

B10.1, B10.2 , B10.4, B10.5

Common Core Standards: anchor standard 11, 11-12.6

#### A. Phlebotomy

- a. Students will earn a SimRated Badge/Certification in the Phlebotomy procedure. Students will be able to demonstrate appropriate manual skills and theoretical knowledge to successfully obtain the high-quality laboratory specimens which will ultimately result in accurate results and treatment. Students will be able to draw blood and understand the science of phlebotomy.
- b. Successful completion of the simulation-based assessment evaluated by clinician raters, which includes narrative feedback provided beyond the checklist rating.
- c. Obtain 90% or greater on assessment of Phlebotomy cognitive knowledge.
- d. Perform phlebotomy on an adult with 90% or greater score on simulation-based assessment. Skills assessed include identifying correct patient, hand hygiene, applying tourniquet, inserting needle into vein, using vacutainers, sharps safety
- e. Perform phlebotomy on an adult without any critical failures as deemed by clinician rater

### **Unit 6: Electrocardiography**

#### STANDARDS

B2.1, B3.2, & B12.3

Common Core Standards: Anchor standard 11, 11-12.4

- A. In the Electrocardiography Unit, students will learn how to conduct a routine 12-lead ECG and recognize related diagnostic cardiac tests. Students examine the anatomy of the heart and the electrical conduction pattern for the cardiac cycle. Then they classify leads and learn how ECGs work. Training will be provided by Sim rated
- B. Hands on labs via internet for Patient Care Technician
  - a. Anatomy and the ECG: ECGs and the Heart, Heartbeat and the ECG Cycle, Recognizing Cardiac Emergencies
  - b. The Science of the ECG: How ECGs Work, ECG Leads
  - c. Performing a Standard Resting ECG: Types of ECGs, Standardization, Artifacts Automatic 12-Lead ECG
  - d. Using ECG REcordings: Arrhythmias, Calculating Heart Rate
  - e. Other Cardiac Tests and Equipment: Related Diagnostic Cardiac Tests, Holter Monitoring
  - f. Perform successfully as deemed by clinical rater

Primary Curriculum Source:

Applied Educational Systems  
Patient Care Technician  
<https://teacher.aeseducation.com/courses>

Secondary Curriculum Source:

SimRated  
Hands-on Labs for Patient Care Technician  
<https://www.simrated.com>