Course Title: Phlebotomy Lab

Course Number: PHLB 5590

Course Description: Skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults. Upon completion, students are eligible for national certification through the NHA.

Hours: 60

Course Prerequisite(s):
All students are required to complete the pre-admissions requirements (found in Admissions Packet) prior to starting class.

Student Learning Outcomes:
1. Demonstrate infection control and safety practices
2. Describe quality assurance as it relates to specimen collection
3. Explain the role of specimen collection in the overall patient care system
4. Identify collection equipment, various types of additives used, special precautions necessary, and substances that can interfere in clinical analysis of blood constituents
5. Demonstrate venipuncture and capillary puncture techniques on adults. Verbalize techniques for children and infants
6. Explain requisitioning, transport and processing.
7. Interact with patients with empathy, direct communication, and confidence
8. Utilize HIPAA laws when dealing with patients and their Protected Health Information

Textbook(s): (Contact bookstore for current edition and cost)

Withdrawal Policy: See the current Career Skills Training catalog for the tuition refund policy.

Collin College Academic Policies: See the current Collin Student Handbook.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.
Meeting Location: Courtyard Center

Attendance Policy: Students must be in attendance for at least 90% in order to pass competencies.

Lesson Plan:
Session 1: Introductions, Course Overview, Review syllabus.
  Chapter 1: Introduction to Phlebotomy
  Chapter 2: Health Care Structure
Session 2: Chapter 3: Safety
  Chapter 4: Infection Control
    Lab 1: Procedure 4-1: Hand-Washing Technique,
    Procedure 4-2: Putting on Personal Protective Equipment,
    Procedure 4-3: Removing Personal Protective Equipment,
    Work-area sanitation, biohazardous materials orientation
Session 3: Chapter 5: Medical Terminology
  Chapter 6: Human Anatomy and Physiology
Session 4: Chapter 7: Circulatory, Lymphatic, and Immune Systems
Session 5: Chapter 8: Venipuncture Equipment
  Chapter 9: Routine Venipuncture
    Lab 2: Procedure 9-1: Routine Venipuncture
Session 6: Lab 3: Procedure 9-1: Routine Venipuncture
  Procedure 9-2: Venipuncture with a Syringe
Session 7: Chapter 10: Capillary Collection
  Lab 4: Procedure 10-1: Capillary Collection
Session 8: Chapter 11: Venipuncture Complications
  Lab 5: Procedure 11-1: Hand Collection Using a Winged Infusion Set
Session 9: Written Midterm Exam
  Chapter 12: Blood Collection in Special Populations
Session 10: Chapter 13: Arterial Blood Collection
  Lab 6: Procedure 13-1: Modified Allen Test
  Procedure 9-1, 10-1, 11-1
Session 11: Chapter 14: Special Collections and Procedures
  Lab 7: Procedure 14-1: Blood Culture Collection
  Procedure 14-2: Blood Smear Preparation
Session 12: Chapter 15: Special Nonblood Collection Procedures
  Lab 8: Procedure 15-1: Midstream Clean Catch
  Procedure 15-2: Throat Swab
Session 13: Chapter 16: Specimen Transport, Handling, and Processing
  Lab 9: Procedure 9-1, 10-1, 11-1
Session 14: Chapter 17: Point-of-Care Testing
  Lab 10: Procedure 17-1: Ancillary Blood Glucose Test
Session 15: Chapter 18: Quality Phlebotomy
  Lab 11: Procedure 9-1, 10-1, 11-1
Session 16: Chapter 19: Legal Issues in Phlebotomy
Session 17: Written Final Exam
Sessions listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, labs, and days.

**Method of Evaluation:** Students must achieve a minimum of 75% final average and must be in attendance 90% of the class time in order to pass competencies. Students must obtain 25 successful blood draws and 5 successful capillary sticks.