

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

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Revised: Sandra Thomas

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Status: Permanent

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Date: 1/30/12

A. Identification:

1. Subject Area: Allied Health Sciences
2. Course Number: AHS 160
3. Course Title: PHLEBOTOMY PROCEDURES
4. Credit Hrs: 3
5. Catalog Description:

Theory and practice of basic phlebotomy and specimen processing including laboratory test codes, equipment, procedures, role development and the health care team, ethics and safety, and legal issues and quality assurance. Co-requisite: AHS 161. (This course must be taken in conjunction with AHS 161. AHS 161 requires 100 hours and 100 successful, unaided (but supervised) venipunctures. In order to accomplish these steps within the current semester, you must have a VERY FLEXIBLE schedule.) Prerequisite: AHS 131 and RDG 099, or placement test score(s) beyond prerequisite course(s), or consent of instructor, and the following health requirements to be presented at time of registration: negative TB skin test within the past year; proof of two measles, mumps, rubella (MMR) vaccinations or titer; proof of having had varicella (chicken pox), or vaccination, or titer; proof of tetanus, diphtheria and pertussis (TDAP) vaccination within the last 10 years.

B. Course Goals:

To provide students with phlebotomy theory and practice knowledge sufficient for entry-level competence as a phlebotomist; meets criteria for program accreditation by national accrediting bodies.

C. Course Outcomes:

Students will:

1. Identify the health care providers in hospitals and clinics, including various departments and their major function, and the phlebotomists role as a team member.
2. Understand the organizational setup of the clinical laboratory, including personnel, their qualifications and the tests performed within the departments.
3. Describe policies and procedures for safety (including electrical, radiation, fire and biological hazards and for infection prevention.
4. Describe the basic functions of each of the main body systems, and identify the parts according to body planes, and be able to explain the circulatory system and the names the major veins used for phlebotomy.
5. Explain the major components of blood and the processes of coagulation and fibrinolysis
6. Describe the legal (including HIPAA) and ethical importance within the realm of patient care and blood collection.

7. Identify the various equipment used in the process of phlebotomy by venous and capillary techniques
8. Demonstrate the proper techniques for preparing to do a phlebotomy, from proper equipment, to identifying and preparing the patient, and being prepared for procedural complications; to labeling and handling the specimen and releasing the patient safely.
9. List the many pre analytical points that may compromise the results of blood testing.
10. List the methods of quality assurance and quality control that are used continuously in the lab.
11. Explain the proper methods of communicating and interacting with patients in order to be legal and safe and compassionate.
12. List the causes of stress in the work environment and discuss coping skills

D. Course Outcomes Assessment:

Will include:

1. Pre and post quiz
2. Expectation and Reflection Papers
3. Final Exam
4. Must pass AHS 161 also

E. Course Content:

Will include:

1. Health care delivery systems
2. Medical terminology
3. Infection control
4. Safety
5. Basic anatomy and physiology
6. Legal implications of phlebotomy
7. Specimen collection
 - Techniques and methods
 - Equipment and additives
 - Requisitioning, transporting, and processing
8. Quality assurance methods
9. Written and verbal communication
10. Interpersonal relationships and social responsibilities
11. Ethics

Revisions: Prerequisites, March 2001; SSimmons