

COCONINO COMMUNITY COLLEGE  
COURSE OUTLINE

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Status: Permanent  
Effective: Fall 2015

October 20, 2004  
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A. Identification:

1. Subject Area: Allied Health Sciences (AHS)
2. Course Number: 157
3. Course Title: Phlebotomy for Law Enforcement and Practicum
4. Credit Hours: 3
5. Course Description: This one-week, fast-track program is a very intense course of study. The course includes 45 hours of onsite phlebotomy coursework and includes the practicum. Homework is necessary, and students will be required to perform venipunctures on each other during classes on campus. Additional venipunctures will be required outside the classroom setting for completion of the course. No refunds can be given once the officer begins the course. Prerequisites: Health requirements including: evidence of TB testing within the past year; two measles, mumps, and rubella immunizations or titers; Tetanus, Diphtheria, and Pertussis (TDAP) within ten years; confirmation of Varicella or immunization; flu vaccine. These requirements are subject to change at the discretion of Northern Arizona Healthcare. Must be recommended by a law enforcement agency. One and one half lecture. One and one half lab.

B. Course Goals:

To provide law enforcement officers with basic phlebotomy theory, and practical knowledge sufficient for entry-level competence as a law enforcement phlebotomist.

C. Course Outcomes: Students will:

1. define medical terminology commonly used in the laboratory;
2. identify and discuss the modes of transmission of infection and methods for prevention;
3. explain the functions of the major constituents of blood;
4. define hemostasis and explain the basic process of coagulation and fibrinolysis;
5. identify the various types of additives used in blood collection;
6. identify alternate venipuncture collection sites and the limitations and precautions of each;
7. name and explain frequent causes of phlebotomy complications;
8. describe signs and symptoms of physical problems that may occur during blood collection;
9. list chronologically the steps necessary to perform a venipuncture and/or capillary puncture;
10. perform a competent/effective venipuncture on a patient;
11. demonstrate understanding of quality assurance in phlebotomy;
12. demonstrate understanding of the basic concepts of communications, personal and patient interaction, stress management, professional behavior and legal implication of this work environment;
13. discuss and explain the importance of maintaining patient confidentiality;
14. describe the proper manner for greeting and interacting with a patient;
15. explain the major points in interviewing a patient or patient's representative in preparation for obtaining specimens;
16. discuss the importance of appearance and grooming for phlebotomists;
17. describe the conditions that must be met if blood specimens and laboratory tests are to be used as legal evidence;
18. and define the different terms used in medico-legal aspects for phlebotomy and discuss policies and protocol designed to avoid medico-legal problems.

D. Course Outcomes Assessment will include:

1. quizzes and final examination;

2. and skills competency test.

E. Course Content will include:

1. health care delivery systems;
2. medical terminology;
3. infection control;
4. biohazard procedures;
5. safety;
6. basic anatomy and physiology;
7. legal implications of phlebotomy;
8. specimen collection, including:
  - a. techniques and methods;
  - b. equipment and additives;
  - c. requisitioning, transporting, and processing;
9. quality assurance methods;
10. varied clinical practice settings;
11. written and verbal communication;
12. interpersonal relationships and social responsibilities;
13. ethics;
14. and legal implications of phlebotomy.