



ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: Nursing – Health Professions

COURSE: ALH 1252 Principles and Practices of Phlebotomy

Date: Spring 2021

Credit Hours: 6

Prerequisite(s): 18 years of age
High School Diploma or GED
ALH 1001 (or concurrent enrollment)
2 Step TB test within last 12 months
Hepatitis B immunization or documented refusal
Criminal background check (A felony or certain misdemeanors may prevent you from working in a healthcare setting)
Drug test
Any other requirements of clinical site

Delivery Method: **Lecture** **3 Contact Hours (1 contact = 1 credit hour)**
 Seminar **0 Contact Hours (1 contact = 1 credit hour)**
 Lab **3 Contact Hours (2-3 contact = 1 credit hour)**
 Clinical **4.5 Contact Hours (3 contact = 1 credit hour)**
 Online
 Blended

Offered: **Fall** **Spring** **Summer**

IAI Equivalent – **Only for Transfer Courses**–go to <http://www.itransfer.org>:

CATALOG DESCRIPTION:

This course consists of lecture and laboratory practice of the proper collection of laboratory specimens along with a minimum of 65 hours of clinical [practice of phlebotomy at an affiliated laboratory site]. It includes terminology, anatomy and physiology appropriate to phlebotomy techniques, safety, quality control, professionalism, and communication techniques. It provides exposure to the necessary skills to effectively function as part of the medical laboratory-healthcare team. This supervised training will emphasize competency in blood collection, specimen handling and processing, safety, quality control and communication skills necessary to function as a member of the medical laboratory healthcare team. Exit level competencies are generally consistent with entry level job responsibilities. After completion of ALH 1252, the student will be eligible to take the phlebotomy certification exam offered by certifying agencies.

GENERAL EDUCATION GOALS ADDRESSED

[See last page for Course Competency/Assessment Methods Matrix.]

Upon completion of the course, the student will be able:

[Choose up to three goals that will be formally assessed in this course.]

- To apply analytical and problem-solving skills to personal, social, and professional issues and situations.
- To communicate successfully, both orally and in writing, to a variety of audiences.
- To construct a critical awareness of and appreciate diversity.
- To understand and use technology effectively and to understand its impact on the individual and society.
- To develop interpersonal capacity.
- To recognize what it means to act ethically and responsibly as an individual and as a member of society.
- To recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.
- To connect learning to life.

EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

[Outcomes related to course specific goals. See last page for more information.]

Upon completion of the course, the student will be able to:

1. Perform venipuncture and dermal puncture procedures successfully.
2. Successfully pass a national certification (ASCP) exam.
3. Receive voiced program satisfaction by employers and graduates.
4. Demonstrate competency in infection control and safety, universal and standard precautions, understanding of basic anatomy and physiology, medical terminology, patient and specimen identification, selecting and preparing puncture site, blood collection equipment, post-puncture care, and medical waste and sharps.
5. Demonstrate competency in pre-analytical sources of error in specimen collection, patient preparation, risk and complication factors and legal issues related to blood collection.
6. Perform venipuncture and dermal puncture procedures successfully.
7. Successfully pass a national certification (ASCP) exam.
8. Receive voiced program satisfaction by employers and graduates.
9. Demonstrate competency in infection control and safety, universal and standard precautions, understanding of basic anatomy and physiology, medical terminology, patient and specimen identification, selecting and preparing puncture site, blood collection equipment, post-puncture care, and medical waste and sharps. Demonstrate competency in pre-analytical sources of error in specimen collection, patient preparation, risk and complication factors and legal issues related to blood collection.

MAPPING LEARNING OUTCOMES TO GENERAL EDUCATION GOALS

[For each of the goals selected above, indicate which outcomes align with the goal.]

| Goals | Outcomes |
|---|---|
| First Goal | |
| To apply analytical and problem solving skills to personal, social, and | 4. Demonstrate competency in infection control and safety, universal and standard precautions, understanding of basic anatomy and physiology, medical terminology, patient and specimen professional issues and situations. identification, selecting and preparing puncture site, blood collection equipment, post-puncture care, and medical waste and sharps. Demonstrate competency in pre-analytic sources of error in specimen collection, patient preparation, risk and complication factors and legal issues related to blood collection. |
| Second Goal | |
| To communicate successfully, both orally and in writing, to a variety of audiences. | 2. Successfully pass a national certification (ASCP) exam. |
| Third Goal | |
| To connect learning to life | 3. Receive voiced program satisfaction by employers and graduates. 1. Perform venipuncture and dermal puncture procedures successfully |

COURSE TOPICS AND CONTENT REQUIREMENTS:

- Circulatory System
- Specimen Collection (Venipuncture, Skin Puncture)
- Specimen Handling, Transport and Processing
- Point-of-Care Testing
- Non-Blood Specimens
- Laboratory Operations
- Perform 100 successful unaided blood collections including venipunctures and skin punctures.
- Orientation in a CMS approved accredited laboratory

INSTRUCTIONAL METHODS:

- Lectures
- DVDs
- Discussion
- Skills Practice

- Supervised Lab Exposure
- Observation
- Demonstration
- Discussion
- Skills Practice under supervision of clinical preceptor

INSTRUCTIONAL MATERIALS:

The Complete Textbook of Phlebotomy 5Th Edition ISBN: 978-1-337-28424-0 •
Required: Kiechle, Funk, Rosser

So You're Going To Collect a Blood Specimen An Introduction To Phlebotomy 15th
Edition ISBN: 978-1-941096-34-5

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

Students will be evaluated on the basis of points accumulated from quizzes and the final exam. The average of quiz scores is 50% of final grade. The final exam is 50% of the final grade. At final evaluation, especially when students are close to having earned the next higher grade, attendance, class participation, and demonstrated skill will be taken into consideration when a final letter grade is assigned.

A= 90-100

B= 80-89

C= 70-79

D= 60-69

F= 0-59

OTHER REFERENCES

Course Competency/Assessment Methods Matrix

| ALH 1252 | | Assessment Options | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|--------------------|--------------|----------------|----------|--------------------|----------------|---------|---------------|------------------------------------|-------------------|---------------------------------|---------------------------|----------------------|-------------|-----------------|----------------------|---------------------|---------------------|-----------------------------------|----------------------|-------------------------------|---------------------------|------------------|------------------|--|----------------|-------------------|------------|-----------|----------------|------------|--|
| For each competency/outcome place an "X" below the method of assessment to be used. | Assessment of Student Learning | Article Review | Case Studies | Group Projects | Lab Work | Oral Presentations | Pre-Post Tests | Quizzes | Written Exams | Artifact Self Reflection of Growth | Capstone Projects | Comprehensive Written Exit Exam | Course Embedded Questions | Multi-Media Projects | Observation | Writing Samples | Portfolio Evaluation | Real World Projects | Reflective Journals | Applied Application (skills) Test | Oral Exit Interviews | Accreditation Reviews/Reports | Advisory Council Feedback | Employer Surveys | Graduate Surveys | Internship/Practicum /Site Supervisor Evaluation | Licensing Exam | In Class Feedback | Simulation | Interview | Written Report | Assignment | |
| | Direct/ Indirect | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | I | I | I | I | D | D | | | | | | | |
| Perform venipuncture and dermal puncture procedures successfully | | | | | | | | | | | | | | X | | | | | | X | | | | | | X | | | | | | | |
| Successfully pass a national certification exam (ASCP) | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Voiced program satisfaction by employers and graduates | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | |

