



Western Technical College

31509305 Medical Asst Lab Procedures 2

Course Outcome Summary

Course Information

Description	Prepares students to perform phlebotomy and Clinical Laboratory Improvement Amendments (CLIA) waived hematology, chemistry, immunology and laboratory procedures commonly performed by medical assistants in the ambulatory care setting.
Career Cluster	Health Science
Instructional Level	Technical Diploma Courses
Total Credits	2
Total Hours	72

Pre/Corequisites

Prerequisite	31509303 Medical Asst Lab Procedures 1
Prerequisite	10501104 Contemporary Healthcare Practices

Textbooks

Laboratory and Diagnostic Testing in Ambulatory Care: A Guide for Health Care Professionals – with Evolve. 4th Edition. Copyright 2019. Garrels, Marti. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-53223-5. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-79964-5)

Laboratory and Diagnostic Testing in Ambulatory Care: A Guide for Health Care Professionals-Workbook. 4th Edition. Copyright 2019. Garrels, Marti. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-53224-2. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-79964-5)

Evolve Resources for Laboratory and Diagnostic Testing in Ambulatory Care. 4th Edition. Copyright 2019. Garrels, Marti. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-62427-5. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-79964-5)

Learner Supplies

Safety Glasses. **Vendor:** Bookstore <https://westerntc.ecampus.com/>. Required

Lab Coat. **Vendor:** Bookstore <https://westerntc.ecampus.com/>. Required

White or Black Shoes. **Vendor:** To be discussed in class. Required.

Success Abilities

1. Cultivate Passion: Enhance Personal Connections
2. Live Responsibly: Foster Accountability
3. Refine Professionalism: Improve Critical Thinking

Program Outcomes

1. Provide patient care in accordance with regulations, policies, laws, and patient rights
2. Perform medical laboratory procedures
3. Demonstrate professionalism in a healthcare setting
4. Demonstrate safety and emergency practices in a healthcare setting

Course Competencies

1. Perform venipuncture

Assessment Strategies

- 1.1. in the laboratory
- 1.2. with a role-play partner or mannequin
- 1.3. on a written and/or practical test

Criteria

Your performance will be successful when:

- 1.1. you select the correct equipment and supplies
- 1.2. you exhibit professional behavior according to established guidelines
- 1.3. you report relevant information to others succinctly and accurately
- 1.4. you perform all critical steps according to the performance checklist
- 1.5. you apply QC and QA measures
- 1.6. you verbalize an explanation of the process to the instructor which displays critical thinking

Learning Objectives

- 1.a. Differentiate between different types of specimens including whole blood, serum, and plasma
- 1.b. Select equipment and supplies
- 1.c. Select vacuum tubes
- 1.d. Select needles according to gauge and type
- 1.e. Position patient
- 1.f. Locate site
- 1.g. Verify patient and specimen identification
- 1.h. Follow venipuncture guidelines
- 1.i. Explain quality assurance issues

- 1.j. Describe possible complications and contraindications
- 1.k. Follow standard precautions
- 1.l. Explain pediatric patient requirements
- 1.m. Describe inappropriate sites
- 1.n. Linked external target standards are the learning objectives.

2. Process laboratory specimens per procedure requirements

Assessment Strategies

- 2.1. in the laboratory
- 2.2. using laboratory manuals
- 2.3. on a written and/or practical test

Criteria

Your performance will be successful when:

- 2.1. you select the correct equipment and supplies
- 2.2. you exhibit professional behavior according to established guidelines
- 2.3. you report relevant information to others succinctly and accurately
- 2.4. you perform all critical steps according to the performance checklist
- 2.5. you apply QC and QA measures
- 2.6. you verbalize an explanation of the process to the instructor which displays critical thinking

Learning Objectives

- 2.a. Linked external target standards are the learning objectives.

3. Perform CLIA-waived immunology testing

Assessment Strategies

- 3.1. in the laboratory
- 3.2. with a simulation or role-play partner
- 3.3. on a written and/or practical test

Criteria

Your performance will be successful when:

- 3.1. you select the correct equipment and supplies
- 3.2. you exhibit professional behavior according to established guidelines
- 3.3. you report relevant information to others succinctly and accurately
- 3.4. you perform all critical steps according to the performance checklist
- 3.5. you apply QC and QA measures
- 3.6. you verbalize an explanation of the process to the instructor which displays critical thinking
- 3.7. you screen test results

Learning Objectives

- 3.a. Analyze the immune system
- 3.b. Describe common allergy tests
- 3.c. Describe common serology tests
- 3.d. Explain testing requirements
- 3.e. Perform documentations
- 3.f. Explain quality control and assurance issues
- 3.g. Follow disposal procedures
- 3.h. Linked external target standards are the learning objectives.

4. Perform quality control measures

Assessment Strategies

- 4.1. through a written or oral response
- 4.2. on a written and/or practical test

Criteria

Your performance will be successful when:

- 4.1. you report relevant information to others succinctly and accurately
- 4.2. response outlines in detail the decision selected by the learner

- 4.3. response includes an explanation of why the decision was selected
- 4.4. response is supported by relevant evidence
- 4.5. response is well organized
- 4.6. response evidences correct grammar, punctuation, and spelling
- 4.7. response shows evidence of critical thinking

Learning Objectives

- 4.a. Utilize computer software to maintain office systems
- 4.b. Assess the accuracy of laboratory testing
- 4.c. Describe the function of regulatory agencies
- 4.d. Explain quality control guidelines
- 4.e. Perform analysis of statistics
- 4.f. Linked external target standards are the learning objectives.

5. Perform CLIA-waived hematology testing

Assessment Strategies

- 5.1. in the laboratory
- 5.2. on a written and/or practical test

Criteria

Your performance will be successful when:

- 5.1. you select the correct equipment and supplies
- 5.2. you exhibit professional behavior according to established guidelines
- 5.3. you report relevant information to others succinctly and accurately
- 5.4. you perform all critical steps according to the performance checklist
- 5.5. you apply QC and QA measures
- 5.6. you verbalize an explanation of the process to the instructor which displays critical thinking
- 5.7. you screen test results

Learning Objectives

- 5.a. Explain the anatomy and physiology of blood
- 5.b. Describe various collection methods
- 5.c. Compare hematology testing methods
- 5.d. Document results
- 5.e. Explain quality control and assurance issues
- 5.f. Follow storage and disposal procedures
- 5.g. Linked external target standards are the learning objectives.

6. Perform CLIA-waived chemistry testing

Assessment Strategies

- 6.1. in the laboratory
- 6.2. on a written and/or practical test

Criteria

Your performance will be successful when:

- 6.1. you select the correct equipment and supplies
- 6.2. you screen test results
- 6.3. you exhibit professional behavior according to established guidelines
- 6.4. you report relevant information to others succinctly and accurately
- 6.5. you perform all critical steps according to the performance checklist
- 6.6. you apply QC and QA measures
- 6.7. you verbalize an explanation of the process to the instructor which displays critical thinking

Learning Objectives

- 6.a. Describe common blood chemistry tests, normal values, and conditions resulting in abnormal test results
- 6.b. Compare collection methods
- 6.c. Describe the procedure for cholesterol testing
- 6.d. Describe the procedure for glucose testing
- 6.e. Describe the procedure for drug testing

- 6.f. Document results
- 6.g. Explain quality control and assurance issues
- 6.h. Follow storage and disposal procedures
- 6.i. Linked external target standards are the learning objectives.

7. Perform capillary puncture

Assessment Strategies

- 7.1. in the laboratory
- 7.2. with a mannequin or role-play partner
- 7.3. on a written and/or practical test

Criteria

- 7.1. you select the correct equipment and supplies
- 7.2. you properly identify patient
- 7.3. you complete all necessary paperwork correctly you report relevant information to others succinctly and accurately
- 7.4. you exhibit professional behavior according to established guidelines
- 7.5. you apply QC and QA measures
- 7.6. you distinguish between acceptable and unacceptable lab specimens
- 7.7. you perform all critical steps in the right order according to the performance checklist
- 7.8. you position yourself correctly
- 7.9. you employ proper technique
- 7.10. you utilize personal protective equipment as appropriate for procedure
- 7.11. you follow safety procedures
- 7.12. you explain procedure to patient
- 7.13. you verbalize an explanation of the process to the instructor which displays critical thinking

Learning Objectives

- 7.a. Linked external target standards are the learning objectives.