



Western Technical College

31509303 Medical Asst Lab Procedures 1

Course Outcome Summary

Course Information

Description	Introduces medical assistant students to laboratory procedures commonly performed by medical assistants in a medical office setting. Students perform Clinical Laboratory Improvement Amendments (CLIA) waived routine laboratory procedures commonly performed in the ambulatory care setting. Students follow laboratory safety requirements and federal regulations while performing specimen collection and processing, microbiology, and urinalysis testing.
Career Cluster	Health Science
Instructional Level	Technical Diploma Courses
Total Credits	2
Total Hours	72

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

Uniform (black top and pants). **Vendor:** To be discussed in class. 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. Adhere to laboratory safety principles per federal regulations and guidelines

Assessment Strategies

- 1.1. on a written and/or practical test
- 1.2. in a performance demonstration
- 1.3. in the laboratory

Criteria

- 1.1. match types and uses of personal protective equipment
- 1.2. you select appropriate PPE to the assigned task
- 1.3. you identify personal safety precautions as established by OSHA
- 1.4. you identify safety techniques that can be used to prevent accidents and maintain a safe work environment
- 1.5. you describe the importance of Safety Data Sheets (SDS) in a healthcare setting
- 1.6. you identify workplace safeguards such as safety signs, symbols, and labels
- 1.7. you discuss fire safety issues in a healthcare environment
- 1.8. you discuss requirements for responding to hazardous material disposal
- 1.9. you comply with safety practices
- 1.10. you evaluate the work environment to identify safe vs. unsafe working conditions.
- 1.11. you demonstrate the proper use of the following equipment: eyewash, fire extinguishers, and sharps disposal containers
- 1.12. you demonstrate methods of fire prevention in the healthcare setting
- 1.13. you participate in training on Standard Precautions

Learning Objectives

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

2. Instruct patients in the collection of specimens

Assessment Strategies

- 2.1. by writing and/or role-playing patient instructions
- 2.2. on a written and/or practical test

Criteria

Your performance will be successful when:

- 2.1. you properly identify the patient
- 2.2. you report relevant information to others succinctly and accurately
- 2.3. you respond to patient questions accurately
- 2.4. role-play includes all critical steps, performed in the correct order according to the performance checklist
- 2.5. role-play is appropriate to patient needs
- 2.6. instructions are presented clearly and precisely

Learning Objectives

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

3. Obtain specimens for laboratory testing

Assessment Strategies

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

Criteria

Your performance will be successful when:

- 3.1. you properly identify the patient
- 3.2. you select the correct equipment and supplies
- 3.3. you exhibit professional behavior according to established guidelines
- 3.4. you perform all critical steps in the right order according to the performance checklist
- 3.5. you position yourself correctly
- 3.6. you employ proper technique
- 3.7. you utilize personal protective equipment as appropriate for procedure
- 3.8. you follow safety procedures
- 3.9. you explain procedure to patient
- 3.10. you verbalize an explanation of the process to the instructor which displays critical thinking
- 3.11. you report relevant information to others succinctly and accurately
- 3.12. you screen test results
- 3.13. you distinguish between acceptable and unacceptable lab specimens

Learning Objectives

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

4. Process laboratory specimens

Assessment Strategies

- 4.1. in the laboratory
- 4.2. using laboratory manuals
- 4.3. on a written and/or practical test

Criteria

Your performance will be successful when:

- 4.1. you properly identify the patient
- 4.2. you process laboratory specimens according to process requirements
- 4.3. you select the correct equipment and supplies
- 4.4. you exhibit professional behavior according to established guidelines
- 4.5. you perform all critical steps in the right order according to the performance checklist
- 4.6. you employ proper technique
- 4.7. you utilize personal protective equipment as appropriate for procedure
- 4.8. you follow safety procedures

- 4.9. you verbalize an explanation of the process to the instructor which displays critical thinking
- 4.10. you report relevant information to others succinctly and accurately
- 4.11. you maintain laboratory test results using flow sheets
- 4.12. you distinguish between acceptable and unacceptable lab specimens

Learning Objectives

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

5. Perform quality control measures

Assessment Strategies

- 5.1. in an oral or written response
- 5.2. on a written and/or practical test

Criteria

Your performance will be successful when:

- 5.1. you properly identify the patient
- 5.2. you report relevant information to others succinctly and accurately
- 5.3. you distinguish between normal and abnormal test results
- 5.4. response outlines in detail the decision selected by the learner
- 5.5. response demonstrates a thorough understanding of relevant aspects of applying quality control measures to the case
- 5.6. response includes an explanation of why the decision was selected
- 5.7. response is supported by relevant evidence
- 5.8. response is well organized
- 5.9. response shows evidence of critical thinking

Learning Objectives

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

6. Perform CLIA waived urinalysis

Assessment Strategies

- 6.1. in the laboratory
- 6.2. with a role-play partner

Criteria

Your performance will be successful when:

- 6.1. you properly identify the patient
- 6.2. you select the correct equipment and supplies
- 6.3. you exhibit professional behavior according to established guidelines
- 6.4. you perform all critical steps in the right order according to the performance checklist
- 6.5. you position yourself correctly
- 6.6. you employ proper technique
- 6.7. you utilize personal protective equipment as appropriate for procedure
- 6.8. you follow safety procedures
- 6.9. you explain procedure to patient
- 6.10. you apply QC and QA measures
- 6.11. you verbalize an explanation of the process to the instructor which displays critical thinking
- 6.12. you distinguish between acceptable and unacceptable lab specimens
- 6.13. you screen test results
- 6.14. you distinguish between normal and abnormal test results
- 6.15. you report relevant information to others succinctly and accurately
- 6.16. you analyze charts, graphs and/or tables in the interpretation of healthcare results

Learning Objectives

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

7. Perform CLIA waived microbiology testing

Assessment Strategies

- 7.1. in the laboratory
- 7.2. with a simulation or role-play partner

7.3. on a written and/or practical test

Criteria

Your performance will be successful when:

- 7.1. you properly identify the patient
- 7.2. you exhibit professional behavior according to established guidelines
- 7.3. you select the correct equipment and supplies
- 7.4. you perform all critical steps in the right order according to the performance checklist
- 7.5. you display sensitivity to patient rights and feelings in collecting specimens
- 7.6. you position yourself correctly
- 7.7. you employ proper technique
- 7.8. you utilize personal protective equipment as appropriate for procedure
- 7.9. you apply QC and QA measures
- 7.10. you follow safety procedures
- 7.11. you explain procedure to patient
- 7.12. you verbalize an explanation of the process to the instructor which displays critical thinking
- 7.13. you report relevant information to others succinctly and accurately
- 7.14. you discuss quality control issues related to handling microbiological specimens
- 7.15. you identify disease processes that are indications for CLIA waived tests
- 7.16. you screen test results
- 7.17. you distinguish between normal and abnormal test results

Learning Objectives

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

8. Perform routine maintenance of clinical lab equipment

Assessment Strategies

- 8.1. in the laboratory
- 8.2. on a written and/or practical test

Criteria

Your performance will be successful when:

- 8.1. you select the correct equipment and supplies
- 8.2. you report relevant information to others succinctly and accurately
- 8.3. you exhibit professional behavior according to established guidelines
- 8.4. you perform all critical steps in the right order according to the performance checklist
- 8.5. you employ proper technique
- 8.6. you utilize personal protective equipment as appropriate for procedure
- 8.7. you follow safety procedures
- 8.8. you apply QC and QA measures
- 8.9. you verbalize an explanation of the process to the instructor which displays critical thinking

Learning Objectives

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