

**Clackamas Community College**  
Online Course/Outline Submission System

---

Show changes since last approval in red

Print

Edit

Delete

Back

Reject

Publish

### Section #1 General Course Information

**Department:** Health Sciences: Allied Health

**Submitter**

First Name: Helen

Last Name: Wand

Phone: 0694

Email: [helenw@clackamas.edu](mailto:helenw@clackamas.edu)

---

**Course Prefix and Number:** CLA - 101

---

**# Credits:** 3

**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

---

**Course Title:** Clinical Laboratory Assistant Skills I

**Course Description:**

Presents the student with a general overview of a clinical laboratory, including state and federal regulations, quality assurance practices, laboratory terminology, laboratory staffing and a basic understanding of Waived laboratory testing. Specimen collection and handling will be addressed. The majority of the competencies required in the Core Module of the National Accrediting Agency for Clinical Laboratory Science,(NAACLS's) Clinical Assistant Program will be covered.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

**No**

Does this course map to any general education outcome(s)?

**No**

Is this course part of an AAS or related certificate of completion?

**Yes**

**Name of degree(s) and/or certificate(s):** Clinical Laboratory Assitant Certificate

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** MA-110; MTH 050 or MTH 065

**Have you consulted with the appropriate chair if the pre-req is in another program?**

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** CLA-101L

Are there any requirements or recommendations for students taken this course?

**Yes**

**Recommendations:**

**Requirements:** Admission to the Clinical Laboratory Program

Are there similar courses existing in other programs or disciplines at CCC?

**No**

Will this class use library resources?

**Yes**

**Have you talked with a librarian regarding that impact?**

**Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)\***

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

Upon successful completion of this course, students should be able to:

1. explain common laboratory terms, with an emphasis on laboratory professionalism;
2. explain infection control and personal and patient safety practices as outlined in Standard Precautions and physical and chemical safety practices as mandated by OSHA;
3. evaluate body fluids for analysis according to Scope of Practice and Standard Operating Procedures, and explain safe practices used to collect and handle body fluids;
4. discuss the correct use and preparation of reagents used in analysis;
5. describe the proper performance of appropriate tests, with an understanding of the disciplines of the laboratory at the assistant level, with an understanding of Waived testing procedures and other CLIA regulations;
6. explain correct established quality control protocols and other Quality Assurance protocol including equipment maintenance within the assistant's Scope of Practice, with particular attention to understanding pre-analytical, analytical and post- analytical errors.

---

***This course does not include assessable General Education outcomes.***

---

**Major Topic Outline:**

1. Personal and patient safety
2. Epidemiology
3. History of medicine and laboratory
4. Laboratory staffing and credentialing
5. Professionalism
6. Laboratory terminology
7. Metric system
8. Laboratory regulations, including the clinical laboratory improvement act (CLIA)
9. Quality assurance in the laboratory
10. Microscopic techniques
11. Hemostasis specimen collection and testing
  - a. Quality assurance issues
12. Immunology / immunohematology

- a. Collection techniques / quality assurance
- b. Blood typing
- 13. Urinalysis
  - a. Physical / chemical / microscopic
- 14. Clinical chemistry
  - a. Collection techniques / quality assurance
  - b. Specimen processing
  - c. Point of care testing
- 15. Microbiology
  - a. Specimen collection techniques
  - b. Quality assurance issues
- 16. Fecal occult blood testing
  - a. Quality assurance issues

Does the content of this class relate to job skills in any of the following areas:

- |                                      |           |
|--------------------------------------|-----------|
| 1. Increased energy efficiency       | <b>No</b> |
| 2. Produce renewable energy          | <b>No</b> |
| 3. Prevent environmental degradation | <b>No</b> |
| 4. Clean up natural environment      | <b>No</b> |
| 5. Supports green services           | <b>No</b> |

Percent of course: 0%

First term to be offered:

**Specify term:** Fall Term 2017

---