Laurencia Almeida

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| Phone: (915) 238-6436  lalmeida@utep.edu | 6021 Los Pueblos Dr  El Paso, Tx 79912 |

# Teaching philosophy

The field of clinical laboratory science is complex, exciting, rewarding, ever-changing, and very important as it guides more than 70% of medical decisions. I find joy sharing my enthusiasm and my knowledge to inspire students to become the best next generation of clinical professionals they can be. I provide my students with different techniques to understand complex principles and master skills that are needed in order to uphold the standards our profession demands. I continuously strive to improve my teaching skills and develop new ones by keeping up with continuing education and by maintaining a relationship with laboratory technologists in different clinical settings. I seriously take into consideration comments made by students on my evaluations to see if there are areas where improvements can be made.

# Education

**MS** University of Texas at El Paso, Masters in the art of teaching science (MATS)

Expected graduation date: May 2023

**BS** University of Texas at El Paso, Clinical Laboratory Science May 2000

# accreditations

**American Society of Clinical Pathologist (ASCP)** June 2001

**National Crediting Agency (NCA)** July 2001

**New York State Clinical Laboratory Scientist License** August 2019

# Teaching Experience

**University of Texas at El Paso** Spring 2013- present

**Clinical Instructor**, CLS

* **Infectious Diseases Laboratory (CLSC 3168/3167),** an undergraduate course averaging 30 students per semester, covering the following topics: gram stain, specimen acceptability criteria, bacteria growth requirements, identification, susceptibility testing, normal and abnormal findings
* Developed quizzes, exams, and homework
* Revised the syllabus to meet accreditation standards
* Administered proficiency testing to determine student performance and achievement of course syllabus objectives.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values, and normal ranges.
* Redesigned laboratory due to COVID-19 by facilitating a virtual laboratory in Spring 2020 that students found to be extremely helpful. In addition, a summer in person laboratory was provided to allow hands on experience. Cohort of students was divided into 2 teams to allow for social distance.
* Coordinated grading and labs usually with the help of a senior student seeking mentoring

**Senior Students**

Benjamin Gilson, May 2020

Guillermo Cerda, May 2020

Lorena Romero, May 2019

**University of Texas at El Paso** Fall 2013- Fall 2020

**Clinical Instructor**, CLS

* **Body Fluids Laboratory (CLSC 3153),** an undergraduate course averaging 30 students per semester, covering the following topics: urinalysis, stool analysis, serous, synovial, cerebrospinal and seminal fluid normal and abnormal findings
* Developed quizzes, exams, and homework
* Revised the syllabus to meet accreditation standards
* Administered proficiency testing to determine student performance and achievement of course syllabus objectives.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values, and normal ranges.
* Coordinated grading and labs usually with the help of a senior student seeking mentoring

**Senior Students**

Benjamin Gilson, May 2020

**University of Texas at El Paso** Fall 2013- present

**Clinical Instructor**, CLS

* **Serology Laboratory (CLSC 3161),** an undergraduate course averaging 30 students per semester, covering the following topics: diagnosis of syphilis, influenza, strep throat, autoimmune disorders, detection and significance of IgG and IgM antibodies, titers, dilutions
* Developed quizzes, exams, and homework
* Revised the syllabus to meet accreditation standards
* Administered proficiency testing to determine student performance and achievement of course syllabus objectives.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values, and normal ranges.
* Due to COVID-19 this laboratory was restructured to comply with CDC guidelines. Laboratory was broken into 2 different teams (CLSC 3161-001 and CLSC 3161-002)

**University of Texas at El Paso** Spring 2019- present

**Clinical Instructor**, CLS

* **Serology Lecture (CLSC 3260),** an undergraduate course averaging 30 students per semester, covering the following topics: Diagnosis of viral, bacterial, parasitic, fungal, and autoimmune diseases by detecting antigen/antibody
* Developed quizzes, exams, and homework
* Revised the syllabus to meet accreditation standards
* Due to COVID-19 this class delivered in an online -asynchronous format for Fall 2020. Whole course was restructured to accommodate for change.

**University of Texas at El Paso** Fall2019- present

**Clinical Instructor**, CLS

* **Medical Terminology (CLSC 3150),** an undergraduate course averaging 40 students per semester, covering the following topics: symbols, abbreviations, roots, prefixes, and suffixes of importance in major health related fields
* Developed quizzes, exams, and homework
* Revised the syllabus to meet accreditation standards
* Due to COVID-19 this class delivered in an online -asynchronous format for half of the Spring 2020 semester and Fall 2020. Whole course was restructured to accommodate for change. Currently course is offered online

**University of Texas at El Paso** Spring 2020

**Clinical Instructor**, CLS

* **Ethics Lecture (CLSC 4100),** an undergraduate course averaging 30 students per semester, covering the following topics: Ethics in health care, end of life, HIPPA, confidentiality among others
* Developed quizzes, exams, and homework
* Redesigned lecture due to COVID-19 by facilitating a virtual instruction for half of Spring 2020 that students found to be extremely helpful. We took on the topic of COVID and evaluated numerous ethical issues such as if a vaccine for COVID became available should it be obligatory to get it, pandemic preparedness, obligatory precautions against infections, moral obligation not to infect others. We used discussion boards, individual presentations by students using Yuja, critique assignments and review of peer’s critique assignments
* Revised the syllabus to meet accreditation standards

**University of Texas at El Paso** Summer 2015, Spring 2020- present

**Clinical Instructor**, CLS

* **Opportunistic and Parasitic Infections Lecture (CLSC 3357),** an undergraduate course averaging 30 students per semester, covering the following topics: Parasites and Fungus
* Developed quizzes, exams, and homework
* Created 3 laboratories to support theory covered in lecture
* Revised the syllabus to meet accreditation standards
* Coordinated grading and labs usually with the help senior student seeking mentoring
* Redesigned lecture due to COVID-19 by facilitating a virtual instruction for half of Spring 2020 that students found to be extremely helpful.

**Senior Students**

Daniel Peralta, May 2015

Diana Caraveo, May 2015

Andrea Limas, May 2015

Maria Reyes, May 2015

Eric Belisle, May 2015

**University of Texas at El Paso** Spring 2015

**Clinical Instructor**, CLS

* **Clinical Chemistry Laboratory (CLSC 3155),** an undergraduate course averaging 30 students per semester, covering the following topics: Enzymes, toxicology, therapeutic drug monitoring, electrophoresis
* Developed quizzes, exams, and homework
* Revised the syllabus to meet accreditation standards
* Administered proficiency testing to determine student performance and achievement of course syllabus objectives.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values, and normal ranges.

**Senior Students**

Benjamin Ramirez, May 2015

**University of Texas at El Paso** Spring 2015 (half semester)

**Clinical Instructor**, CLS

* **Immunohematology Laboratory (CLSC3269),** an undergraduate course averaging 30 students per semester, covering the following topics: Blood, Plasma, Platelet transfusion, antibody screens, antibody identification, blood type
* Developed quizzes, exams, and homework
* Administered proficiency testing to determine student performance and achievement of course syllabus objectives.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values and normal ranges.

**Senior Students**

Mamie Ramirez, May 2016

**El Paso Community College** Fall 2014-Fall 2018

**Clinical Instructor**, MLT

* **Clinical/Medical laboratory technician IV-Microbiology/Chemistry** **(MLAB2360)** an undergraduate course averaging 5 students per semester, covering the following topics: Bacteriology, susceptibility testing, glucose, lipids, proteins.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values, and normal ranges.
* Provide clinical instruction to students on methods and practices used in Microbiology and Chemistry laboratories at Las Palmas, University Medical Center East and The Hospitals of Providence, Memorial Campus
* Administering and grading weekly or biweekly quizzes to determine student performance and achievement of course objectives.
* Administering laboratory practical exams to evaluate student’s performance of laboratory methods.
* Providing guidance as the students work with laboratory assignments.
* Providing insight to student on newest technologies available at their designated clinical facilities, as well as backup methods that still have historical relevance.

**El Paso Community College** Spring 2015-Spring 2019

**Clinical Instructor**, MLT

* **Clinical/Medical laboratory technician V-Microbiology/Chemistry part 2** **(MLAB2361)** an undergraduate course averaging 5 students per semester, covering the following topics: Anaerobes, parasites, toxicology, enzymes, therapeutic drug monitoring, hormones.
* Provide training to students about current standard methods of laboratory practice including safety, laboratory protocols, specimen collection protocols, critical values, and normal ranges.
* Provide clinical instruction to students on methods and practices used in Microbiology and Chemistry laboratories at Las Palmas, University Medical Center East and The Hospitals of Providence, Memorial Campus
* Administering and grading weekly or biweekly quizzes to determine student performance and achievement of course objectives.
* Administering laboratory practical exams to evaluate student’s performance of laboratory methods.
* Providing guidance as the students work with laboratory assignments.
* Providing insight to student on newest technologies available at their designated clinical facilities, as well as backup methods that still have historical relevance.

# Work Experience (Medical field)

**University Medical Center**, El Paso Tx 2008-2014

Clinical Laboratory Scientist (Medical Technologist)

* Perform standardized clinical laboratory examinations for the Blood Bank Department at a level I trauma hospital.
* Operate Galileo, NEO and Echo instruments as well as Softbank LIS.
* Perform maintenance and QC on instruments.
* Troubleshoot automated instruments.
* Process specimens following standard procedures.
* Enter accurate data of completed work into computer system.
* Report critical values according to laboratory policy
* CAP surveys: Titer (10/29/09), FMBS (5/17/11 and 4/28/11), Antibody Titer (6/20/12), DAT (10/15/13), Type and Screen, antibody ID, crossmatch (7/3/14)
* Mandatory E-learning completed August 2014
* Instrument training for ECHO completed 12/08
* Instrument training for NEO completed 12/13

**St. Mary’s Hospital**, Amsterdam NY 2001-2008

**Clinical Laboratory Scientist (Medical Technologist II)**

* Perform standardized clinical laboratory examinations in hematology, chemistry, serology, urinalysis, coagulation and microbiology to asses and determine the presence of normal and abnormal components in blood and body fluids.
* Perform maintenance and QC on instruments.
* Troubleshoot automated instruments.
* Process specimens following standard procedures.
* Enter accurate data of completed work into computer system.
* Report critical values according to laboratory policy.
* Provide technical information regarding laboratory procedures, test results and examinations to medical staff, laboratory personnel, and others.
* Most recent specific experience with Meditech LIS, Sysmex 2000 (Hematology), Urisys (Urinalysis), Stago (Coagulation), BacTalert and Vitek2 (Microbiology)
* Continuing education programs provided by pharmacy department and microbiology technical reps (2005).
* Microbiology Seminar, Albany NY (2005)
* Take active role in initiating a new procedures or methodology. Such as the implementation of change in reporting for Strep Group B, identification of coagulase negative Staph in sterile sites, and changes in comments to reports when Doctors request additional antibiotics

**Quest Diagnostics**, Cd. Juarez, Chihuahua, MX 1998-2001

Data Analyst

* Standardize laboratory catalogs.
* Perform translations of laboratory manual procedures.

# Community Service

**El Paso Public Health Department**

Corona Virus testing, April/May 2010

**WE Medical Laboratories**

Provided training on Nasopharyngeal collection and proper use of PPE. Volunteered in the collection of samples for COVID-19 testing on-site and drive-thru.

# Languages

**Spanish:** Native Language

**English**