

**College of Health Sciences
Standard CV**

**Charlie Cruz
Associate Lecturer**

Education

Year	Institution	Degree
2014	Saint Louis College	PhD
2016	Lyceum of the Philippines University Batangas	MS Medical Laboratory Science
2003	Don Mariano Marcos Memorial State University	MA Science Education
1998	Lorma Colleges	BS Medical Technology

Professional Experience

Year	Position	Institution
2021-present	Associate Lecturer	University of Wyoming at Casper
2016-2021	Assistant Lecturer	University of Wyoming at Casper
2010-2016	Lecturer	Shaqra University
1998-2010	Instructor	Lorma Colleges

Professional Awards and Honors

- 2022 Outstanding Alumnus, Lyceum of the Philippines University Batangas, Philippines
- 2021 Alma Mater Service Award, Lorma Colleges, Philippines
- 2020 Global Lormanian Award, Lorma Colleges, Philippines
- 2019 America's Finest Teacher Award – Ulirang Guro, Association of Fil-Am Teachers of America, New York City, USA
- 2019 La Union Service Award, Provincial Government of La Union, Philippines
- 2017 City Excellence Award, City Government of San Fernando, La Union, Philippines
- 2016 Model Overseas Filipino Worker (OFW) Finalist, The 700 Club Asia

Research and Scholarship

- **Grants and Funding:**
 - Alshaghдали, K., Alcantara, T., Rezgui, R., **Cruz, C.**, Alshammary, M., Almotairi, Y., & Alcantara, J. (2021). Detecting Preanalytical Errors Using Quality Indicators in a Hematology Laboratory. *Quality Management in Health Care*. doi: 10.1097/QMH.0000000000000343
- **Publications (Peer-Reviewed Journal Articles):** ORCID ID: <https://orcid.org/0000-0003-2598-1952>

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- Doxtater, F., & **Cruz, C.** (2021). Knowledge, risk perceptions, and preventive behaviors in COVID-19 pandemic among medical laboratory students in Wyoming. *Clinical Laboratory Science*.
- Doxtater, F., **Cruz, C.P.**, & Cruz, J.P. (2019). Quality of life and its influence on the academic performance of Medical Laboratory students in Wyoming. *Clinical Laboratory Science*. DOI: <https://doi.org/10.29074/ascls.119.001909>
- Thazha, S.K., Fernandez, H., **Cruz, C.P.**, & Cruz, J.P. (2018). Role of fine needle aspiration cytology in the diagnosis of palpable breast lesions and its correlation with histopathologic basis. *Int J Health Sci Res*, 8(10), 38-43.
- Cruz, J.P., **Cruz, C.P.** et al. (2017). Perceived infection prevention climate and its predictors among nurses in Saudi Arabia. *Journal of Nursing Scholarship*. DOI: 10.1111/jnu.12360. [Data-based]
- Cruz, J.P., Alquwez, N., **Cruz, C.P.**, Felicidad-Reynaldo, R.F.D., Vitorino, L.M., & Islam, S.M.S. (2017). Cultural competence among nursing students in Saudi Arabia: A cross-sectional study. *International Nursing Review*. DOI: 10.1111/inr.12370. [Data-based]
- Cruz, J.P., Colet, P.C., Bashtawi, M.A., Mesde, J.H., & **Cruz, C.P.** (2016). Psychometric evaluation of the Cultural Capacity Scale Arabic version for nursing students. *Contemporary Nurse*, 1-22. [Data-based]
- Cruz, J. P., Colet, P. C., Alquwez, N., Alqubeilat, H., Bashtawi, M. A., Ahmed, E. A., & **Cruz, C. P.** (2016). Evidence-Based Practice Beliefs and Implementation among the Nursing Bridge Program Students of a Saudi University. *International Journal of Health Sciences*, 10(3). [Data-based]
- Alcantara, J. C., Alenezi, F. K. M., **Cruz, C. P.**, & Alcantara, T. Y. (2016). Donor Deferral Patterns at a Hospital-based Blood Bank in Saudi Arabia. *International Blood Research & Reviews*, 5(4). [Data-based]
- Cruz, J. P., Colet, P. C., Al-otaibi, J. H., Soriano, S. S., Cacho, G. M., & **Cruz, C. P.** (2016). Validity and reliability assessment of the Compliance with Standards Precautions Scale Arabic version in Saudi nursing students. *Journal of infection and public health*. [Data-based]
- Cruz, J. P., **Cruz, C. P.**, & Al-Otaibi, A. S. D. (2015). Gender differences in hand hygiene among Saudi nursing students. *International Journal of Infection Control*, 11(4). [Data-based]
- Colet, P. C., Cruz, J. P., **Cruz, C. P.**, Al-otaibi, J., Qubeilat, H., & Alquwez, N. (2015). Patient safety competence of nursing students in Saudi Arabia: a self-reported survey. *International journal of health sciences*, 9(4), 418. [Data-based]
- **Cruz, C. P.**, Cruz, J. P., Abu Bakr, S. A., & Thazha, S. K. (2015). Biosafety knowledge and perceptions of clinical laboratory science educators in Shaqra University. *Journal of Infection and Public Health*, 8(4), 398. [Data-based]
- **Cruz, C. P.**, Garcia, R. C., Colet, P. C., Cruz, J. P., & Alcantara, J. C. (2014). Healthcare waste management of the government hospitals in northern Philippines. *European Scientific Journal*, 10(26), 114-122. [Data-based]

- **Publications (Non-Peer-Reviewed Journal Articles):**

- **Publications (Books and Monograph Chapters):**

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- **Publications (Technical Reports):**
- **Publications (Other):**
- **Presentations (Refereed National and International Abstracts):**
- **Presentations (Refereed Local and Regional Abstracts):**
- **Presentations (Other):** (your name in bold, indicate if data-based, student authors and/or invited presentation)
 - **Cruz, C. P.**, Cruz, J. P., Abu Bakr, S. A., & Thazha, S. K. (2015). Biosafety knowledge and perceptions of clinical laboratory science educators in Shaqra University. *5th Patient Safety Forum*, Convention Center, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia, April 14-16. Poster Presentation.
 - Cruz, J. P., **Cruz, C. P.**, & Al-Otaibi, A. S. D. (2015). Gender differences in hand hygiene among Saudi nursing students. *International Journal of Infection Control*. *5th Patient Safety Forum*, Convention Center, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia, April 14-16. Poster Presentation.
- **Patents**
- **Continuing Education and Faculty Development Activities:**
- **Work in Progress:**
 - Publications that are in preparation:
 - Alcantara, J., **Cruz, C.** et al. (2022). Interventions to increasing test cancellation rates in blood bank based on a multi-year review. [Submitted for peer review.]
 - Grants in preparation:
- **Undergraduate and Graduate Student Research Supervision (Supervisor, Committee Chair, or Co-chair)**
 - Thesis advisor: Araneta, A. (2021). *Detection of anti-CD38 immunotherapy interference with pre-transfusion antibody screening using LISS and polybrene*. Lyceum of the Philippines University – Batangas Faculty of the Graduate School.
- **Consulting and Other Scholarship Activities**
 - Thesis consultant: Ferrer, A. (2019). *Anti-biofilm activities of selected Philippine medicinal plant extracts on methicillin-resistant Staphylococcus aureus*. Lyceum of the Philippines University – Batangas Faculty of the Graduate School.
 - Thesis consultant: Visto, M. (2018). *Healthcare waste management of clinical laboratories in Butuan City: Basis for improved guidelines on HCW*. Lyceum of the Philippines University – Batangas Faculty of the Graduate School.

Teaching

Semester & Year	Course Prefix & Number	Course Title (Abbreviated)	Enrollment	Credits	On-Campus/ Distance	Contribution if team taught
FA22	MLTK 2700	Immunology	20	4	Distance**	n/a

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FA22	MLSK 4860	Laboratory Management	7	3	Distance	n/a
FA22	MLSK 4850	Clinical Research Design	4	2	Distance	n/a
SP22	MLSK 4894	Adv Clin Practicum Microbiology	5	3	Distance*	n/a
SP22	MLTK 1700	Microscopy: UA/BF H1H2	22	4	Distance**	n/a
FA21	MLTK 2700	Immunology	15	4	Distance**	n/a
FA21	MLSK 4860	Laboratory Management	6	3	Distance	n/a
FA21	MLSK 4850	Clinical Research Design	8	2	Distance	n/a
SP21	MLSK 4894	Adv Clin Practicum Microbiology	12	3	Distance*	n/a
SP21	MLSK 4860	Laboratory Management	6	3	Distance	n/a
SP21	MLTK 1700	Microscopy: UA/BF H1H2	12	4	Distance**	n/a
FA20	MLTK 2700	Immunology	16	4	Distance**	n/a
FA20	MLSK 4860	Laboratory Management	9	3	Distance	n/a
FA20	MLSK 4850	Clinical Research Design	14	2	Distance	n/a
SP20	MLSK 4894	Adv Clin Practicum Microbiology	5	3	Distance*	n/a
SP20	MLSK 4860	Laboratory Management	3	3	Distance	n/a
SP20	MLTK 1700	Microscopy: UA/BF H1H2	28	4	Distance**	n/a
FA19	MLTK 2700	Immunology	25	4	Distance**	n/a
FA19	MLSK 4860	Laboratory Management	8	3	Distance	n/a
FA19	MLSK 4850	Clinical Research Design	8	2	Distance	n/a
SP19	MLSK 4894	Adv Clin Practicum Microbiology	11	3	Distance*	n/a
SP19	MLSK 4860	Laboratory Management	7	3	Distance	n/a
SP19	MLTK 1700	Microscopy: UA/BF H1H2	26	4	Distance**	n/a
FA18	MLTK 2700	Immunology	25	4	Distance**	n/a
FA18	MLSK 4860	Laboratory Management	5	3	Distance	n/a
FA18	MLSK 4850	Clinical Research Design	4	2	Distance	n/a
SP18	MLSK 4984	Adv Clin Practicum Microbiology	13	3	Distance*	n/a
SP18	MLSK 4850	Clinical Research Design	8	2	Distance	n/a
SP18	MLTK 1700	Microscopy: UA/BF H1H2	30	4	Distance**	n/a
FA17	MLSK 4850	Clinical Research Design	6	2	Distance	n/a
FA17	MLSK 4860	Laboratory Management	11	3	Distance	n/a
FA17	MLTK 2700	Immunology H2	18	2	On-Campus	n/a
SP17	MLSK 4984	Adv Clin Practicum Microbiology	6	3	Distance*	n/a
SP17	MLSK 4850	Clinical Research Design	6	2	Distance	n/a
SP17	MLSK 4860	Laboratory Management	7	3	Distance	n/a
SP17	MLTK 1700	Microscopy: UA/BF H1H2	24	4	Distance**	n/a
FA16	MLSK 4850	Clinical Research Design	12	2	Distance	n/a
FA16	MLSK 4860	Laboratory Management	12	3	Distance	n/a
FA16	MLTK 2700	Immunology H2	5	2	On-Campus	n/a
SP16	MLTK 1700	Microscopy: UA/BF H1H2	22	4	Distance**	n/a

*With 32 hours of laboratory sessions on campus, ** With 40 hours of laboratory sessions on campus

- **Guest lectures**

- Resource Speaker, Lecture on the Fundamentals of Medical Parasitology among nursing students at Nazarbayev University in Kazakhstan, November 22 and 24, 2021.

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- Resource Speaker, Lecture on Laboratory Management Functions via Zoom among Indian Medical Laboratory Technologists, July 23, 2020.
- Adjunct Professor, Master of Science in Medical Laboratory Science at the Graduate School, Lyceum of the Philippines University Batangas, Philippines, First Semester School Year 2016-2017 to present.
- Resource Speaker, SML, SBO, and Interest Clubs Induction Program, Lorma Colleges, Philippines, September 4, 2019 (Zoom Conference).
- Resource Speaker, Lecture on Pedagogy and Best Practices in College & Post-Graduate Teaching, Saint Louis College, Philippines, July 6, 2017.
- Resource Speaker, Seminar on Medical Laboratory Science: Considerations for the Future and Quality Indicators and Laboratory Pre-Analytical Phase Errors, Butuan Doctor's College, Butuan City, Agusan del Norte, Philippines, June 23, 2017.
- Graduation Speaker, Lorma Colleges 45th Commencement Ceremony, Philippines, June 8, 2017.
- Resource Speaker, Lecture on Pedagogy and Best College Teaching Practices for Diverse Students, College of Arts and Science, Lorma Colleges, Philippines, June 1, 2017.
- Resource Speaker, Seminar on Medical Laboratory Science, an International Perspective, American Society for Clinical Laboratory Science – Wyoming, November 5, 2016.
- Resource Speaker, Principles of Leadership: Past, Future, and Present: Graduate School, Saint Louis College, San Fernando City, La Union 2500 Philippines, July 30, 2016

- **Advising**

Year	Number of Undergraduate Advisees	Number of Graduate/Resident Advisees
2022	11	N/A
2021	12	N/A
2020	20	N/A
2019	15	N/A
2018	23	N/A
2017	6	N/A

University Service

- **University of Wyoming**
- **University of Wyoming at Casper**
 - Learning Community Leadership Committee
- **College of Health Sciences**
- **Division/School**
 - SOP T&P Committee

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- Medical Laboratory Science CQI and Accreditation Committee
- University of Wyoming Medical Laboratory Science Advisory Committee
- Casper College Medical Laboratory Technician Advisory Committee

Professional/Community Service

- **Community Service Activities**

- High Schools Healthcare Career Fair 2017 on February 22, 2016, at the Parkway Plaza Hotel and Convention Centre, Casper, WY
- High Schools Healthcare Career Fair 2016 on February 24, 2016, 9:00 AM-2:00 PM at the Parkway Plaza Hotel and Convention Centre, Casper, WY

- **Professional Memberships and Activities**

- Reviewer, Clinical Laboratory Science (CLS)
- Reviewer, Journal of Immigrant and Minority Health (JOIH)
- American Society for Clinical Laboratory Science (ASCLS)
- Philippine Association of Medical Technologists (PAMET)
- IAMURE International Journal of Business and Management, Assistant Editor

- **Clinical Practice**

- Professional Licensure and Certification
 - American Society of Clinical Pathology, International Medical Laboratory Scientist (ASCP)ⁱCM
 - California Department of Public Health, Clinical Laboratory Scientist
 - Philippine Professional Regulation Commission, Registered Medical Technologist
- Credentialing and Privileging status:
- Clinical Practice Service Activities:
- Faculty Patient Care Activities:

Clinical Site	Dates	Type of Care	Number of Hours of Care/Week

- QI (Quality Improvement) Projects – patient outcome data
- Continuity of care ratings

Professional Development / Continuing Education Credits

Program #	Title	Year Taken	Provider	Credit Hours
328-3663-19	The Clinical Implications of high sensitive assays for HBsAg	2021	American Society for Clinical Laboratory Science (ASCLS) P.A.C.E.	1.00
328-3688-19	Laboratory Diagnosis of Immune Deficiency	2021	ASCLS P.A.C.E.	1.00
328-3775-20	Impacting Patient Outcomes with Rapid Positive Blood Culture ID Utilizing MALDI Mass Spectrometry	2021	ASCLS P.A.C.E.	1.00
328-4186-20	COVID-19 Serology Assays and Cell Therapy Strategies	2021	ASCLS P.A.C.E.	1.00
328-4236-20	Laboratory Testing for Viral Hepatitis: what's new and what has changed?	2021	ASCLS P.A.C.E.	1.00
328-4363-20	Protect your cells with proper pipetting – How liquid handling influences your cell culture work	2021	ASCLS P.A.C.E.	1.00
328-4391-20	Driving lab efficiency with PCR power	2021	ASCLS P.A.C.E.	1.00
328-4865-20	The benefit of using an independent Quality Control	2021	ASCLS P.A.C.E.	1.00
328-5285-20	Diabetes and the Clinical Laboratory	2021	ASCLS P.A.C.E.	1.00
328-4895-20	Move Forward with Automation	2021	ASCLS P.A.C.E.	1.00
328-3705-20	An Automated Cancer Organoid Culture Platform to Accelerate Research and Drug Screening	2020	ASCLS P.A.C.E.	1.00
328-3924-20	Keynote Presentation: New Paradigms in moving toward Point-of-Care Cell Therapy Services in the Hospital	2020	ASCLS P.A.C.E.	1.00
328-4259-20	COVID-19: A Clinical Lab's Response to a Pandemic	2020	ASCLS P.A.C.E.	1.00
328-3736-20	Emerging Issues in the Coagulation Laboratory	2020	ASCLS P.A.C.E.	1.00
354-004-20	Sample collection and transport in the age of COVID-19: Virology and Bacteriology aspects	2020	ASCLS P.A.C.E.	1.00
083-037-19	The Golden Age of the Clinical Lab as we Transition from Volume to Value	2019	ASCLS P.A.C.E.	1.00
083-038-19	Gastrointestinal Microbiome: A Review	2019	ASCLS P.A.C.E.	1.50
083-039-19	Improving Patient Safety Through Enhanced Interprofessional Communication	2019	ASCLS P.A.C.E.	1.00
083-040-19	The Role of Lactate and Procalcitonin as Biomarkers of Sepsis	2019	ASCLS P.A.C.E.	1.00
083-043-19	Review of WBC and RBC Morphology	2019	ASCLS P.A.C.E.	1.00

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083-046-19	Are You Out of Focus?	2019	ASCLS P.A.C.E.	1.00
083-047-19	DCLS: Providing Quality & Value Improvement in Clinical Laboratory Services Delivery	2019	ASCLS P.A.C.E.	1.00
083-048-19	Microscopy Tools Used in the Study of Infectious Disease Agents: The Resolution Revolution	2019	ASCLS P.A.C.E.	1.00
083-049-19	Climbing the Ladder of Success – Opportunities to Meet Your Career Goals	2019	ASCLS P.A.C.E.	1.50
328-2512-17	Antinuclear antibody screening – Making an informed decision	2018	ASCLS P.A.C.E.	1.00
328-3072-18	Experimental Design Best Practice for Multicolor Flow Cytometry	2018	ASCLS P.A.C.E.	1.00
328-2993-18	Early disease detection performing NMR – Understanding how a better analysis of metabolites in serum and urine can	2018	ASCLS P.A.C.E.	1.00
015-329-16	Clinical Lab Investigations: Cases for the Lab Professional, Case Set #22 – A Hematology Case: Megaloblastic Anemia with Neurol	2018	ASCLS P.A.C.E.	1.00
328-2734-18	Emerging Diagnostic Strategies to Support <i>C. difficile</i> Infection Control	2018	ASCLS P.A.C.E.	1.00
328-2657-17	Understanding T Cell Responses in Tuberculosis-Latent research on QuantiFERON-TB Gold Plus	2018	ASCLS P.A.C.E.	1.00
328-2204-17	The new generation in immunoassays	2018	ASCLS P.A.C.E.	1.00
328-2789-18	Integrating Hematology and Coagulation Results to Enhance Diagnosis	2018	ASCLS P.A.C.E.	1.00
328-3037-18	HDV, the most severe form of viral hepatitis. What you need to know about it	2018	ASCLS P.A.C.E.	1.00
328-2711-18	Advancements in WBC Differential Technology	2018	ASCLS P.A.C.E.	1.00
328-3067-18	Good culture for your cells – Best practices for preventing contamination	2018	ASCLS P.A.C.E.	1.00
328-3036-18	Quality Assurance in the Hematology Laboratory	2018	ASCLS P.A.C.E.	1.00
328-2819-18	Fecal Lactoferrin Measurements in Clinical Practice	2018	ASCLS P.A.C.E.	1.00