

Raymond K. Lum
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Experience

Associate Teaching Professor with 21 years of academic experience in health management, e-learning, Asian health disparities and innovation integration; and 16 years of corporate experience in technology and planning, forecasting and decision science, QA/QC and risk management, management consulting, project management and controls, and claims/litigation management.

Drexel University School of Public Health, Philadelphia, PA (May 2011 to present)

Associate Teaching Professor of the Health Management and Policy Department with responsibilities as

- course director for health management courses
- Director of E-Learning for the School of Public Health
- administrator of online curricular activities and Blackboard learning system.
- researcher interested in Asian health disparities.
- practitioner of innovation integration in community based organizations.

Assistant Professor of Health Management and Policy with the above noted responsibilities (July 2002 to May 2011)

MCP Hahnemann University, Philadelphia, PA (August 1992 - June 2002)

Assistant Professor for Technology, Management and Mathematics involved in

- creating and developing the Master's of Health Service Administration (MHSA) program
- MHSA case writing on Leadership, Strategic Planning and Decision Science (Problem-based Learning format, web based/distance learning delivery).
- teaching information technology management, e-commerce, internet and web (HTML) development, database management (Access, Foxpro) and multi-media, statistics (Mini-tab, SPSS) and research to graduates and undergraduates.
- establishing academic web presence (design and authoring ten web courses) and advising academic departments on Web and online issues.
- directing courses in the applied sciences

Hill International Inc. Willingboro, NJ (Jan. 1990 to Jan. 1995)

Consultant responsible for

- financial analysis estimating damages to bondholders caused by a default of a billion dollar municipal bond offering.
- executive maintenance study of City of Philadelphia which reduced the capital budget.
- technology and planning policies of decentralization and compensation for increasing productivity and performance in several government and non-profit organization.
- legal work in reducing multi-million dollar litigation claims by identifying management and engineering deficiencies as well as scheduling and cost concerns for profit and non-profit organizations.
- marketing and sales activities for the Healthcare Sector.

Stone & Webster Eng. Corp. Cherry Hill, NJ (May 1980 – 1989)

Task Engineer/Manager responsible for

- Reducing the cost of daily operations for various utility projects
- QA/QC in design procedures and specifications, and controlling cost in procurement and purchasing materials

Grants, Publications and Presentations

QM Conference (Nov. 2016, Portland, Oregon). Plenary Session: Steep Climbs, Occasional Obstacles, and Discarded Belongings: The Way Forward. C. Charlton, R. Lum, P. Ralston-Berg, J. Runyon.

QM Conference (Nov. 2016, Portland, Oregon). Presentation: Assuring Quality Through Development of Evidence Based Assessment Practices: Case Study of the Value of Applying Assessment Data Through Quality Matters Standards. A. Grant, PhD, R. Lum MPhil, MS, F. Cornelius, PhD.

QM Conference (Nov. 2016, Portland, Oregon). Poster: “Applying QM’s Alignment Practices to a Maternal and Child Health App” R.Lum, R. Turchi, R. Davis, S. Sutcliffe, J. Rodriguez.

Assessment Conference (Sept. 2016, Philadelphia). Presentation: The Wizards of Assessment: Peel Back the Curtain and Experience the Art and Science of the Assessor. Ray Lum, MPhil, MS, Mark Green, MS.

Sidney Kimmel Cancer Center Grant (July 2016): “Cancer Risk Assessment in Asian Indian/Pakistanis: A Pilot Study towards Reducing Cancer Disparities”. Ray Lum, MPhil, MS - Co-PI, Veda Giri, MD – Co-PI. 7/16 – 6/17.

HRSA MCH Catalyst Program Grant (2016 & 2015): E-Learning/Assessment Coordinator. “Online Maternal and Child Health Program: Developing Online Curricular Infrastructure and Building Workforce Capacity.” 9/15 -8/17.

Pedagogy for Health Promotions (March 2016). Review Manuscript related to Phenomenological Approach to Male Health and Interventions.

Drexel Center of Academic Excellence 4th Annual Showcase (May 2016). Philadelphia, PA. Poster: “The Development of a Mobile App to Enhance Learner Interaction for the Maternal and Child Health Field Experience” R.Lum, R. Turchi, R. Davis, S. Sutcliffe, J. Rodriguez.

Drexel E-Learning Conference (March 2016). Mobile App for Maternal and Child Health Field Experiences and Cultural Competency Training. R. Lum, MPhil, MS, R. Turchi, MD, MPH, R. Davis, MD, MPH, S. Sutcliffe, PhD, J. Rodriguez, EdD(c).

ASPPH National Conference (March 2016, Arlington, VA). Public Health Education in the Digital World. R. Lum MPhil, MS, Stephanie Sutcliffe, PhD, Laura Magaña Valladares, PhD.

INTED Conference (March 2016). Valencia, Spain. Assuring Quality Through Development of Evidence Based Assessment Practices: Case Study of the Value of Applying Assessment Data Through Quality Matters Standards. A. Grant, PhD, R. Lum MPhil, MS, F. Cornelius, PhD.

QM Conference (Nov. 2015, San Antonio). Presentation: QM Program Review: What We’ve Learn. R. Legon, PhD, R. Lum MPhil, Carol Parenteau, PhD, Marie Vasquez-Brook, PhD, Ed Bowen, PhD.

QM Conference (Nov. 2015, San Antonio). Presentation: What is the Heartbeat of QM on Your Campus? R. Lum MPhil, MS, Pat Schmohl, PhD, F. Cornelius PhD, K. Holt PhD, Dionne Thorne, MS.

de Beaumont Foundation (Sept. 2015). Expert Panel. “Quality of E-Learning Standards Framework Project.”

Assessment Conference (Sept. 2015, Philadelphia). Presentation: Assuring Learner Success Via Merging Best Practices of Assessment and Instructional Design. Ray Lum, MPhil, MS, Stephanie Sutcliffe PhD, Joel Rodriguez, Ed.D(c), Joe Hawk, MS.

Opening Doors Training Grant (2015). Assessment Coordinator “Research Methods for Reducing Health Disparities.” 9/15 -8/16.

Drexel Center of Academic Excellence 3rd Annual Showcase (May 2015). Philadelphia, PA. Poster: “How Teaching Assistant Can Support Faculty Turn A Triple Play in Online Learning.” R.Lum, M. Killen, F. Cornelius, A. Grant, L. Marion, S. Sutcliffe, V. Brace, S. Perkel.

Drexel Center of Academic Excellence 3rd Annual Showcase (May 2015). Philadelphia, PA. Poster: “The Trilogy of Onboarding Faculty to Online Learning.” F. Cornelius, R.Lum, M. Killen, A. Grant, L. Marion, S. Sutcliffe, V. Brace, S. Perkel.

de Beaumont Foundation (April 2015). Expert Panel. “Quality of E-Learning Standards Framework Project.”

Pedagogy for Health Promotions (March 2015). Review Manuscript related to Online Training Courses for Public Health Professionals.

QM Mid-Atlantic Regional Conference (2015) Philadelphia, PA. Integrating QM into Graduate Teaching Assistant Training for Online Teaching. R. Lum, MPhil, MS, K. Stott, PhD.

QM Mid-Atlantic Regional Conference (2015) Philadelphia, PA. Leveraging the CPE Rubric to Strengthen the Evaluation Component of a Training Grant. R. Lum, MPhil, MS, S. Marquez, PhD, MEng, S. DeVose, MA.

QM Mid-Atlantic Regional Conference (2015) Philadelphia, PA. What is it Like to Use QM on Campus? Case Experiences: Challenges, Successes and Lessons Learned. D. McCaffrey, P. Schmol, R. Lum, K. Holt, D. Thorne.

Association for Prevention Teaching and Research Annual Meeting - Teaching Prevention (March, 2015) Charleston, SC. A service learning model for medical and public health education to reduce health disparities in Hepatitis B. Cohen C, Jessop A, Chen D, Dwivedi P, Lum R.

INTED Conference (2015) Madrid, Spain. Fast Tracking Direct Learning Assessment of Program Outcomes within Academic Program via Leveraging of a Research Training Grant that Deploys a Continuing Professional Education Rubric Model. R. Lum MPhil, MS, S. Marquez Ph.D, MEng., S DeVose, MA.

INTED Conference (2015) Madrid, Spain. The Benefits of Unifying Graduate Teaching Assistant Training for Online Teaching. R. Lum, MPhil, MS, M. Killen, PhD, F. Cornelius, PhD, A. Grant, PhD, L. Marion, PhD. S. Sutcliffe, PhD., V. Brace, M.Ed., S. Perkel, MBA

Winter Assessment Workshop (Feb. 2015). Direct assessment of Program Learning Outcomes and Course Learning Outcomes. D. Eachron, PhD, R. Lum, MPhil, MS.

APHA Conference (Nov. 2014, New Orleans). Poster: “Opening the Doors for Diverse Populations to Health Disparities Research: Reducing Asian Health Disparities through Research Training, Practice, and Community Partnerships.” Raymond Lum, MPhil, MS., Nicole Chisolm, MPH, Augusta M. Villanueva, PhD, Warren Hilton, Ed.D., Shannon Marquez, PhD, MEng, Kuan-Lung Daniel Chen, MPH, CPH, Victoria Ng,BS (c).

APHA Conference (Nov. 2014, New Orleans). Poster: “Using GIS mapping to inform community-based hepatitis B screening strategies.” Kuan-Lung Daniel Chen, MPH, CPH, Chari A. Cohen, MPH, DrPH(c), Hillary Hei MPH (c), Patrick Wiggins, MPH, Raymond Lum, MPhil, MS.

APHA Conference (Nov. 2014, New Orleans). Poster: Socio-ecological Determinants of Hepatitis B Screening Behavior Among Asians and Pacific Islanders in Philadelphia. Chari A. Cohen, MPH, DrPH(c), Kuan-Lung Daniel Chen, MPH, CPH, Joan Block, RN, BSN, Raymond Lum, MPhil, MS.

Fall Assessment Workshop (Nov. 2014, Philadelphia) Presentation: Mapping Curriculum to the Program Level Outcomes. R. Lum, MPhil, MS.

Opening Doors Training Grant (2014). Curriculum Coordinator “Research Methods for Reducing Health Disparities.” 9/14 -8/15.

QM Conference (Sept. 2014, Baltimore). Presentation: Does one size fit all? : Measured the Impact of QM on Courses, Students, Faculty and Staff. *L. Marion PhD, A. Grant PhD, M. Killen PhD, R. Lum MPhil, MS, F. Cornelius PhD, K. Holt PhD.*

Assessment Conference (Sept. 2014, Philadelphia). Presentation: Customizing Student Competencies through Direct Learning Assessment of Program Outcomes. Ray Lum, MPhil, MS, Jennifer Breaux, DrPH, MPH, Shannon Marquez, MEng, PhD.

INTED Conference (2014) Valencia, Spain. WE BUILT IT, THEY CAME, AND NOW...CULTURE CHANGE IN A UNIVERSITY. *L. Marion PhD, A. Grant PhD, M. Killen PhD, R. Lum MPhil, MS, F. Cornelius PhD, K. Holt PhD*

Winter Assessment Workshop (Philadelphia, 2014) Presentation: Developing Direct Assessment of Program Level Outcomes & DSLPs. R. Lum, MPhil, MS.

Evidenced Based Learning: Insights and Experiences. (2013, Philadelphia) Presentation: “The Benefits of Transparent and Documented Outcome Linkages in Student Learning.” Ray Lum, MPhil, MS, Jennifer Breaux, DrPH, MPH, Mustafa Sualp

Undergraduate Education for Public Health Summit. (2013, Boston) Poster: “Undergraduate Public Health Program and Course Assessment: the use of AEFIS.” Jennifer Breaux, DrPH, MPH; Ray Lum, MPhil, MS; and Shannon Marquez, MEng, PhD.

APHA Conference (2013, Boston). Poster: “Multi-campus and multi-disciplinary student coalition: A unique opportunity for learning and service.” *Kuan-Lung Daniel Chen, MPH, CPH, C. A. Cohen, MPH, DrPH(c), Ho-hin Choy, MD(c), Pandora Chua, MD(c), Amelia Kermis, MPH(c) , Raymond Lum, MPhil, MS*

E-Learning Conference 3.0 (Philadelphia, 2013) Professional Development for Online Faculty. *J. Giering PhD, R. Lum MPhil, MS, F. Cornelius PhD, L. Marion PhD, K. Holt PhD, M. Killen PhD, A. Solan PhD, A. Grant PhD.*

INTED Conference (2013) Valencia, Spain. IF YOU BUILD IT WILL THEY COME? AN INNOVATIVE APPROACH TO SHIFT THE CULTURE OF A UNIVERSITY. *F. Cornelius PhD, R. Lum MPhil, MS, L. Marion PhD, K. Holt PhD, M. Killen PhD, A. Solan PhD, J. Giering PhD, A. Grant PhD.*

INTED Conference (2013) Valencia, Spain. CHALLENGES AND REALITIES OF ACADEMIC INTEGRITY: BEST PRACTICES FOR INSTILLING SUSTAINABLE CHANGE IN STUDENTS AND FACULTY. *A. Grant PhD, K. Holt PhD, F. Cornelius PhD, A. Solan PhD, M. Killen PhD, J. Giering PhD, R. Lum MPhil, MS, L. Marion PhD.*

APHA Conference (2012) Using Social Media to Improve the Reach of Community Public Health Campaigns: Lessons Learned from Hep B Fee Philadelphia (2012). *C. A. Cohen, MPH, DrPH(c) , Kuan-Lung Daniel Chen, MPH, CPH, John Kim, MPH(c), Joan Block, RN, BSN, Raymond Lum, MPhil, MS .*

Evidenced Based Learning – Creating a Culture of Assessment at Drexel (2012). Presentation: “AEFIS – How Is It Being Used and What Can It Do.” Raymond Lum, MPhil, MS.

Opening Doors Training Grant (2014-2012) . “Reducing Health Disparities in the Asian Population” Amount: \$10,000 annually Through 2/2012 -8/2014.(Mentor– Ray Lum)

Drexel University Learn 9.1 Showcase (2011) Presentation: “Blackboard Classic Migration”. Raymond Lum, MPhil, MS.

Drexel University Faculty Showcase Presentation (2011). Presentation: “Converting Emotional IQ Techniques of Community Meeting and Graphic Facilitation to an Online Format”. Raymond Lum, MPhil, MS.

Center for Public Health Initiative – University of Pennsylvania (2011). Engagement and Education through Digital and Social Media – A focus on Text4baby and Hep B Free Philadelphia. Raymond Lum, MPhil, MS, Chari Cohen, Daniel Chen, MPH, John Kim MPH (c).

e-learning 2.0 Conference (2011). Presentation: “Clicks, Flicks and Tricks: Adopting New and Adapting Old Innovations”. Raymond Lum, MPhil, MS

HRSA: ARRA - Equipment to Enhance Training for Health Professionals (2011-2010) – Total Amount: \$296, 349 with University of Pittsburg; Drexel’s Share: \$ 55,470 (P.I. = Ray Lum) Period: 09/01/2010 **THROUGH:** 08/31/2011

Lum, R. and W. Hilton. (2010) “Try 5 Uses for Google Maps in Academic Affairs”. *Dean & Provost. Oct. 2010. Vol. 12, Issue 2.*

Drexel University Faculty Showcase Presentation (2010). Presentation: “Use of Turningpoint Clickers”. Raymond Lum, MPhil, MS.

APHA Conference (2009): Health Disparities in Social Connection, Diabetes Mellitus and Mortality Among American White and African Americans Aged 70 or Older: An Eight Year Follow Up. Longjian Liu, MD, PhD, MSc, Raymond Lum, MPhil, MS, Kate Clark, MPA, Allen Glicksman, PhD.

Progress in Community Health Partnerships: Research, Education, and Action. Accepted for Publication, (2009). Nguyen GT, Hsu L, Kue KN, Nguyen T, Yuen EJ. Partnering to collect health services and public health data in hard-to-reach communities: A CBPR approach. Raymond Lum, MPhil, MS listed in the acknowledgements for contribution.

Drexel University Faculty Showcase Presentation (2009). Presentation: “Innovative Application of Online Tools in a Co-teaching and Mentoring Model”. Raymond Lum, MPhil, MS and Darryl Brown, PhD.

APHA Conference (2008): Health Disparities and Linguistically Isolated Southeast Asians: Results of a Large Community Based Survey. Leah Hsu, MPH, Giang T. Nguyen, MD, MPH, MSCE, Kao Kue, Elaine J. Yuen, PhD. and Raymond Lum, MPhil, MS.

Asian Advisory Committee of Southeastern Pennsylvania (2008). Establishment of Website.
http://www.cancer.org/docroot/COM/content/div_PA/COM_11_2x_Asian_Advisory_Committee_of_Southeastern_Pennsylvania.asp

Drexel University Faculty Showcase Presentation (2008). “Best Advice and Practices from Online Instructors”. Panel Discussion: Marlin Klein, Raymond Lum, MPhil, MS, Sunda Dierkes, MS, Cheryl Portwood, MSN, RN, and Stacy Kline, MBA, CPA.

Racial/Ethnic Differences in Cardiovascular Disease Risk Factors of Dietary Serum Concentration of Inflammatory Biomarkers among American Elders. L. Liu, R. Lum, D. Sullivan and L. Ulmer. American Geriatric Society Annual Meeting (2006). Poster.

Awards and Recognition

Delta Omega National Society (2012)

Centers for Disease Control and Prevention: Certificate of Appreciation – Hep B Hero Award (2011)

American Cancer Society's Pennsylvania Division Citation Award (2010)
Drexel University Outstanding Online Instructor Award (2009)
Drexel University Outstanding Online Instructor Award (2008)
Drexel University School of Public Health Teaching Excellence Award (2003)
Drexel University School of Public Health Golden Apple Award (2003)
MCP Hahnemann University School of Public Health Academic Affairs Award (2001)
MCP Hahnemann University School of Public Health Golden Apple Award (2001)
Alpha Eta Honor Society
Pi Tau Sigma Honor Society

Community Service

Quality Matters Program Certification Reviewer (2016-2015)
Quality Matters Academic Advisory Committee (2016-2014)
Quality Matters Academic Advisory Nomination Subcommittee Chair (2016)
Quality Matters Board of Director 's Nomination Committee (2016)
Asian Health Collaborative of Greater Philadelphia (2016-2014)
Quality Matters Master Reviewer (2016-2011)
Health Partner's Asian Advisory Committee (2016-2012)
AARP Pennsylvania Asian Roundtable Leadership Council (2016-2010)
American Cancer Society Asian Advisory Committee (2014 – 2001)
Collaborate Platinum Circle Facilitation Team (2012)
American Cancer Society Asian Advisory Strategic Planning Committee – (Chair) (2012 – 2007)
Hepatitis B Foundation – Philadelphia Hepatitis B Task Force (2014 - 2009)
Chinatown Preservation Alliance Health Committee (2012-2009)
Lady of Lourdes Center of Public Health Steering Committee (2010 – 2007)
The Philadelphia Journal of Social Innovation (2010-2009)
Cherry Hill School District Technology/Curriculum Board (2010-2009)
Associations of Schools of Public Health Distance Learning Council (2007-2003)
Public Health Training Network – Academic Distance Learning Coordinator (2007-2003)
Hahnemann Hospital Chinatown Outreach Committee (2005- 2003)
Hahnemann's Patient Safety Committee (2005 – 2004)
Philadelphia Chinatown Development Corporation, PCDC – Health Clinic (2002 –2001)
MCP Hahnemann University - SHP Research and Scholarship Conference - Chair Judge (1999)
Intel's International Engineering and Science Fair - Grand Judge (1999)
Delaware Valley Science Fair- Judge (2003-1997)
Dynamics Executive Advisory Board, University of Pennsylvania (2003, 1999, 1998)
Organizational Dynamics Alumni Committee University of Pennsylvania - Chair, Vice Chair and Executive Committee (1997-1995)

University and School Committees

University Faculty Senate Student Affairs Committee (2016-2014)
University Survey Liaison Committee (2016-2015)
University Academic Evaluation Feedback Intervention System Steering (AEFIS) Committee (2016-2012)
University Provost Online Learning Council Fellow (2016-2012)
School Appointment, Promotion and Tenure Committee (2016-2011)
University IRB-3 Committee (2013-2012)
School Bylaw Committee (2013-2011)
University Accessibility Committee (2012-2010) – Co-Chair – Training Subcommittee
University Academic Computer Advisory Committee (2014-2010)
University Quality Matter Council (2011- 2010) – Co Chair – Training Subcommittee
University Online Council (2014-2009)

University Search Committee for Library Dean (2009)
School Educational Curriculum Committee (2011-2001)
School Strategic Planning Education Committee (2009 – 2003)
University Senate (2008 – 2001)
University Steering Committee (2008 – 2001)
University Academic Support (Chair) (2008 – 2001)
University Library Advisory Committee (2008 – 2001)
School By-Laws Committee (2007- 2003)
School Accreditation Committee (2007 -2006)
University Trustees Enrollment Management Committee (2005-2003)
University Strategic Planning Oversight Committee (2005-2003)
University Strategic Planning Admissions and Retention Committee (Co-chair) (2005-2003)
University Provost's committee on e-learning (2003)
University council (2002- 2001)
School Academic Affairs Committee (2002 – 2001)
School Web Quality Committee (2002 – 2001)
School Network Committee (2002 – 2001)
School World Wide Web Policy Committee (2002 – 2001)
School Awards and Grants Committee (2002 – 1999)
School Admissions and Recruitment Committee (2002 – 2001)

Courses Taught

Graduate Courses

PBHL 600 - Mgmt, Leadership, Assurance and Health Services (Course Director) (2016-2000)
PBHL 605 - Strategy, Innovation and Change Management (Course Director) (2016-2007)
PBHL 650 – Health Policy (2016-2000)
PBHL 680 – Master's Project (2016 – 2000)
PBHL 510 – Introduction to Public Health – Lecturer (2009 -2001)
Bus 697 – Management of Health Outcomes (2009)
Bus 697 – Lebow Residency – Industrial Management: Health Policy (2007)
PBHL 507 – Health Mgmt /Health Policy MD/MPH (2012 – 2006)

Research and Design Methods (1998)
Organizational Behavior (1999 – 1997)
Experimental Design (1998)
Distance Learning (1998)
Internet Applications (1998)

Undergraduate Courses

Introduction to Management (2000 – 1998)
Managerial Applications in Computing (2000 – 1996)
Statistics for Physical Sciences (2000 – 1994)
Statistics for Behavioral Sciences (2000 – 1994)
Computer Applications (1999-1992)
Economics (1998)

Education

M. Phil. Organizational Dynamics, University of Pennsylvania, 1998
(“*Duality of High-tech Innovations*”)

Advanced Diploma in Dynamics of International Organization, University of Pennsylvania, 1995.
(*“System Analysis of Emerging Companies in Emerging International Markets”*)

Small Business Management Certificate, Wharton, University of Pennsylvania, 1995.
(*“Technology Transfer Start-ups”*)

M.S. Dynamics of Organization, University of Pennsylvania, 1991.
(*“Value of Organizational Learning”*)

B.S. Mechanical Engineering (Biomedical), Worcester Polytechnic Institute, 1980.

References: Available upon request