Twin Cities Campus

Epidemiology M.P.H.

School of Public Health - Adm
School of Public Health

Link to a list of faculty for this program.

Contact Information:
School of Public Health, MMC 819, A395 Mayo Memorial Building, 420 Delaware Street, Minneapolis, MN 55455 (612-626-3500 OR 1-800-774-8636)
Email: sph-ask@umn.edu
Website: http://www.sph.umn.edu

- Program Type: Master's
- Requirements for this program are current for Fall 2022
- Length of program in credits: 42 to 48
- This program does not require summer semesters for timely completion.
- Degree: Master of Public Health

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The epidemiology (EPI) MPH program trains students to: analyze public health trends in the burden of disease, identify risk factors for disease, design and implement studies, and interpret results for disease prevention and control policies and programs.

Two tracks are available to students in the Epidemiology MPH program: Standard Program or Accelerated Program. Students in the Standard Program are required to complete a minimum of 48 credits. Students in the Accelerated Program complete a 42 credit minimum curriculum and is available to those who have a prior earned doctoral degree.

The School of Public Health is accredited by the Council on Education for Public Health (CEPH).

Accreditation

This program is accredited by Council on Education for Public Health (CEPH).

Program Delivery

This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

A baccalaureate degree, with coursework in the basic sciences, from an accredited institution.

Admission to the accelerated program requires an earned doctorate (e.g., MD, PhD, DVM, DC, DDS), in a related field, from an accredited institution.

Other requirements to be completed before admission:
For more information visit www.sph.umn.edu

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
- IELTS
  - Total Score: 7

Key to test abbreviations(TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

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Program Requirements

Plan C: Plan C requires 42 to 48 major credits and up to null credits outside the major.The is no final exam.A capstone project is required.
Capstone Project: The capstone project comprises an integrative learning experience. Students complete either PUBH 7394 or PUBH 6344, selected in consultation with the advisor, to meet this requirement.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

Public Health Core Requirements (14 credits)
A minimum grade of B- must be earned for each of the following PUBH core courses:
PUBH 6020 - Fundamentals of Social and Behavioral Science (2.0 cr)
PUBH 6102 - Issues in Environmental Health (2.0 cr)
PUBH 6341 - Epidemiologic Methods I (3.0 cr)
PUBH 6450 - Biostatistics I (4.0 cr)
PUBH 6741 - Ethics in Public Health: Professional Practice and Policy (1.0 cr)
PUBH 6751 - Principles of Management in Health Services Organizations (2.0 cr)

Epidemiology Core Requirements (11 credits)
Take the following courses. Select PUBH 6325 or PUBH 6420 in consultation with the advisor. All courses must be completed A-F, with a minimum grade of B-.
PUBH 6342 - Epidemiologic Methods II (3.0 cr)
PUBH 6343 - Epidemiologic Methods III (4.0 cr)
PUBH 6350 - Epidemiologic Methods III: Lab (1.0 cr)
PUBH 6365 - Global Challenges in Infectious Disease Epidemiology (2.0 cr)
PUBH 6325 - Data Processing with PC-SAS (1.0 cr)
or PUBH 6420 - Introduction to SAS Programming (1.0 cr)

Epidemiology Content Courses (2 credits)
Select at least 1 course from the following, in consultation with the advisor. All courses must be completed A-F with a minimum grade of B-.
PUBH 6381 - Genetics in Public Health in the Age of Precision Medicine (2.0 cr)
PUBH 6385 - Epidemiology and Control of Infectious Diseases (2.0 cr)
PUBH 6386 - Cardiovascular Disease Epidemiology and Prevention (2.0 cr)
PUBH 6387 - Cancer Epidemiology (2.0 cr)
PUBH 6389 - Nutritional Epidemiology (2.0 cr)
PUBH 6605 - Sexual, Reproductive, and Perinatal Public Health (2.0 cr)

Biostatistics (4 credits)
A minimum grade of B- must be earned for the following course:
PUBH 6451 - Biostatistics II (4.0 cr)

Basic Science Requirement (4 credits)
PUBH 6355 is not required for students in the accelerated program, or for standard-program students who obtain prior approval from the program director and course instructor.
PUBH 6355 - Pathophysiology of Human Disease (4.0 cr)

Applied Practice Experience (1-2 credits)
Take 1-2 credits of PUBH 7396, in consultation with the advisor.
PUBH 7396 - Applied Practice Experience: Epidemiology (1.0 - 5.0 cr)

Integrated Learning Experience (2 credits)
Take 1 of the following courses, in consultation with the advisor. If PUBH 7394 is selected, take at least 2 credits.
PUBH 7394 - Integrative Learning Experience: Epidemiology (1.0 - 6.0 cr)
or PUBH 6344 - Completing the Integrative Learning Experience: Secondary Data Analysis (2.0 cr)

Electives (8-10 credits)
Students pursuing the standard program select at least 10 elective credits, and students pursuing the accelerated program select at least 8 elective credits in consultation with the advisor.
CSPH 5111 - Ways of Thinking about Health (2.0 cr)
CSPH 5115 - Cultural Awareness, Knowledge and Health (3.0 cr)

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CSPH 5118 - Whole Person, Whole Community: The Reciprocity of Wellbeing (3.0 cr)
CSPH 5215 - Forgiveness and Healing: A Journey Toward Wholeness (3.0 cr)
CSPH 5303 - Pain Management and Evidence Based Complementary Health Approaches (3.0 cr)
CSPH 5305 - Introduction to Integrative Mental Health (2.0 cr)
CSPH 5701 - Health Coaching Fundamentals I (3.0 cr)
CSPH 5702 - Health Coaching Fundamentals II (4.0 cr)
CSPH 5703 - Advanced Health Coaching Practicum I (1.0 cr)
CSPH 5704 - Diversity, Equity, & Inclusion in Health & Wellbeing (3.0 cr)
CSPH 5706 - Lifestyle Medicine (2.0 cr)
CSPH 5707 - Coaching People with Clinical Conditions (2.0 cr)
CSPH 5708 - Mind-Body Science and Trauma-Informed Mental Health (3.0 cr)
CSPH 5709 - Health and Wellbeing Group Coaching (2.0 cr)
CSPH 5713 - Health Coaching for Health Professionals (2.0 cr)
CSPH 5805 - Wellbeing in the Workplace (3.0 cr)
CSPH 5806 - Wellbeing and Resiliency for Health Professionals (1.0 cr)
CSPH 5807 - Mindfulness in the Workplace: Pause, Practice, Perform (2.0 cr)
CSPH 5905 - Food Matters: Cook Like Your Life Depends On It (1.0 cr)
EPSY 5114 - Psychology of Student Learning (3.0 cr)
EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
EPSY 5609 - Infants and Toddlers with Delays/Disabilities: Family-Centered Approaches to Early Intervention (3.0 cr)
EPSY 8251 - Statistical Methods in Education I (3.0 cr)
EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)
FSCN 4612W - Advanced Human Nutrition [WI] (4.0 cr)
FSCN 4614W - Community Nutrition [SOCS, DSJ, WI] (3.0 cr)
FSCN 4621 - Nutrition and Metabolism (4.0 cr)
FSCN 4622 - Nutritional Toxicology, the basic science of diet-related toxicants (3.0 cr)
FSCN 4665 - Medical Nutrition Therapy I (3.0 cr)
FSCN 4666 - Medical Nutrition Therapy II (3.0 cr)
FSCN 4732 - Food and Nutrition Management (3.0 cr)
FSCN 5131 - Food Quality for Graduate Credit (3.0 cr)
FSCN 5312 - Food Analysis (4.0 cr)
FSCN 5601 - Management of Eating Disorders (3.0 cr)
FSOS 5014 - Quantitative Family Research Methods I (3.0 cr)
FSOS 5015 - Family Research Laboratory (1.0 cr)
FSOS 5111 - Introduction to Family Therapy (3.0 cr)
FSOS 5701 - Prevention Science: Principles and Practices (3.0 cr)
FSOS 5937 - Parent-Child Interaction (3.0 cr)
FSOS 5942 - Diverse Family Experiences (3.0 cr)
FSOS 5944 - Curricular Design in Parent Education (3.0 cr)
FSOS 5945 - Teaching and Learning in Parent Education (3.0 cr)
FSOS 5946 - Assessment and Evaluation in Parent Education (3.0 cr)
FSOS 8001 - Conceptual Frameworks in the Family (3.0 cr)
FSOS 8002 - Advanced Family Conceptual Frameworks (3.0 cr)
FSOS 8014 - Quantitative Family Research Methods II (3.0 cr)
FSOS 8036 - Couple/Marriage and Family Therapy Research (3.0 cr)
FSOS 8101 - Family Stress, Coping, and Adaptation (3.0 cr)
GCD 8073 - Genetics & Genomics in Human Health (2.0 cr)
GEOG 5511 - Principles of Cartography (4.0 cr)
GEOG 5561 - Principles of Geographic Information Science (4.0 cr)
HINF 5430 - Foundations of Health Informatics I (3.0 cr)
HINF 5431 - Foundations of Health Informatics II (3.0 cr)
HINF 5440 - Foundations of Translational Bioinformatics (3.0 cr)
HINF 5450 - Foundations of Precision Medicine Informatics (3.0 cr)
HINF 5502 - Python Programming Essentials for the Health Sciences (1.0 cr)
HINF 5510 - Applied Health Care Databases: Database Principles and Data Evaluation (3.0 cr)
HINF 5520 - Informatics Methods for Health Care Quality, Outcomes, and Patient Safety (2.0 cr)
HINF 5531 - Health Data Analytics and Data Science (3.0 cr)
HINF 5610 - Foundations of Biomedical Natural Language Processing (3.0 cr)
HINF 5620 - Data Visualization for the Health Sciences (3.0 cr)
HINF 5630 - Clinical Data Mining (3.0 cr)
HSEX 6001 - Foundations of Human Sexuality (3.0 cr)
HSEX 6011 - Policy in Human Sexuality: Cutting Edge Analyses (3.0 cr)
HSEX 6211 - Dimensions of Sexual Functioning (3.0 cr)
HSEX 6013 - Perspectives and Practices in Sexual Health Education (3.0 cr)
LAW 6036 - Reproductive Rights & Justice (3.0 cr)

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LAW 6046 - Human Trafficking (2.0 cr)
LAW 6058 - Human Rights Advocacy (3.0 cr)
LAW 6621 - Rights in Conflict: Citizenship and Human Rights (2.0 cr)
LAW 6718 - Immigration and Criminal Law: Immigration Consequences of Crimes and Criminalizing Migration (2.0 cr)
LAW 6827 - Women's International Human Rights (2.0 cr)
LAW 6862 - Sexual Orientation, Gender Identity, and Human Rights (2.0 cr)
MICA 8004 - Cellular and Cancer Biology (4.0 cr)
NURS 5029 - Introduction to Nursing Interventions (3.0 cr)
NURS 5031 - Human Response to Health and Illness: Adults and Elders (4.0 cr)
NURS 5032 - Human Response to Health and Illness: Children and Childbearing Families (5.0 cr)
NURS 5115 - Nursing Informatics and Digital Health Technologies (3.0 cr)
NURS 5116 - Consumer Health Informatics (2.0 cr)
NURS 5117 - Consumer Health Informatics Practicum (2.0 cr)
NURS 5190 - Essentials of Holistic Health Assessment and Foundational Clinical (3.0 cr)
NURS 5284 - Supporting Physiologic Labor and Childbirth for Nurses (2.0 cr)
NURS 5505 - Assessment and Support of Individuals in Labor (1.0 cr)
NURS 6110 - Epidemiology in Nursing (2.0 cr)
NURS 6213 - Reproductive Healthcare for Patients with Complex Conditions (2.0 cr)
NURS 6305 - Reproductive and Sexual Health Care (3.0 cr)
NURS 6600 - Health Systems and Care Models (3.0 cr)
NURS 6895 - Adult Acute Care Holistic Health Assessment and Wellness (2.0 cr)
NURS 6924 - Assessment and Interventions for Children and Youth With Special Health Care Needs (2.0 cr)
NURS 7100 - Quality Improvement and Implementation Science in Health Care (3.0 cr)
NURS 7209 - Integrative Nursing I (1.0 cr)
NURS 7300 - Program Planning and Evaluation (3.0 cr)
NURS 8134 *{Inactive}*(3.0 cr)
NURS 8171 - Qualitative Research Design and Methods (3.0 - 4.0 cr)
NURS 8185 - Qualitative Data Analysis for Health Care Research (3.0 - 4.0 cr)
NUTR 5624 - Nutrition and Genetics (2.0 cr)
NUTR 5626 - Nutritional Physiology (3.0 cr)
NUTR 5627 - Nutritional and Food Toxicology (3.0 cr)
NUTR 8620 - Advances in Nutrition (2.0 cr)
OLPD 5011 - Leading Organizational Change: Theory and Practice (3.0 cr)
OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
OLPD 5096 - Internship: Organizational Leadership, Policy, and Development (1.0 - 9.0 cr)
OLPD 5103 - Comparative Education (3.0 cr)
OLPD 5104 - Education and the Sustainable Development Goals (3.0 cr)
OLPD 5107 - Gender, Education, and International Development (3.0 cr)
OLPD 5124 - Critical Issues in International Education and Educational Exchange (3.0 cr)
OLPD 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)
OLPD 5202 - Perspectives of Adult Learning and Development (3.0 cr)
OLPD 5346 - Politics of Education (3.0 cr)
OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
OLPD 5502 - Comparative evaluation theory for practice (3.0 cr)
OLPD 5607 - Organization Development (3.0 cr)
OLPD 5611 - Facilitation and Meeting Skills (1.0 cr)
OLPD 5619 - Planning and Decision-Making Skills (1.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
OLPD 8502 - Advanced Evaluation Theory and Theory crafting (3.0 cr)
PA 5002 - Introduction to Policy Analysis (1.5 cr)
PA 5003 - Introduction to Financial Analysis and Management (1.5 cr)
PA 5004 - Introduction to Planning (3.0 cr)
PA 5011 - Dynamics of Public Affairs Organizations (3.0 cr)
PA 5012 - The Politics of Public Affairs (3.0 cr)
PA 5013 - Law and Urban Land Use (1.5 cr)
PA 5021 - Microeconomics for Policy Analysis (3.0 cr)
PA 5022 - Applications of Economics for Policy Analysis (1.5 - 3.0 cr)
PA 5031 - Statistics for Public Affairs (4.0 cr)
PA 5032 - Applied Regression (2.0 cr)
PA 5033 - Multivariate Techniques (2.0 cr)
PA 5041 - Qualitative Methods for Policy Analysts (4.0 cr)
PA 5042 - Urban and Regional Economics (2.0 cr)
PA 5043 - Economic and Demographic Data Analysis (2.0 cr)
PA 5044 - Applied Regression, Accelerated (2.0 cr)
PA 5051 - Leadership Foundations (2.0 cr)

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PA 5053 - Policy Analysis in Public Affairs (2.0 cr)
PA 5054 - Program Design and Implementation Analysis (2.0 cr)
PA 5055 - Qualitative Research Methods and Analysis (2.0 cr)
PA 5056 - Quantitative Research Methods and Analysis (2.0 cr)
PA 5081 - Understanding Power and Teamwork in Public Affairs Education (0.5 cr)
PA 5101 - Management and Governance of Nonprofit Organizations (3.0 cr)
PA 5103 - Leadership and Change (1.5 - 3.0 cr)
PA 5104 - Human Resource Management for Public and Nonprofit Organizations (3.0 cr)
PA 5105 - Integrative Leadership: Leading Across Sectors to Address Grand Challenges (3.0 cr)
PA 5113 - State and Local Public Finance (3.0 cr)
PA 5114 - Budget Analysis in Public and Nonprofit Orgs (1.5 cr)
PA 5116 - Financing Public and Nonprofit Organizations (1.5 cr)
PA 5122 - Law and Public Affairs (3.0 cr)
PA 5123 - Philanthropy in America: History, Practice, and Trends (1.5 - 3.0 cr)
PA 5135 - Managing Conflict: Negotiation (3.0 cr)
PA 5136 - Group Process Facilitation for Organizational and Public/Community Engagement (1.0 cr)
PA 5137 - Project Management in the Public Arena (1.5 cr)
PA 5145 - Civic Participation in Public Affairs (3.0 cr)
PA 5151 - Organizational Perspectives on Global Development & Humanitarian Assistance (3.0 cr)
PA 5209 - Urban Planning and Health Equity (3.0 cr)
PA 5211 - Land Use Planning (3.0 cr)
PA 5212 - Managing Urban Growth and Change (3.0 cr)
PA 5213 - Introduction to Site Planning (3.0 cr)
PA 5231 - Transit Planning and Management (3.0 cr)
PA 5234 - Urban Transportation Planning and Policy (3.0 cr)
PA 5242 - Environmental Planning, Policy, and Decision Making (3.0 cr)
PA 5251 - Strategic Planning and Management (3.0 cr)
PA 5261 - Housing Policy (3.0 cr)
PA 5262 - Neighborhood Revitalization Theories and Strategies (3.0 cr)
PA 5271 - Geographic Information Systems: Applications in Planning and Policy Analysis (3.0 cr)
PA 5281 - Immigrants, Urban Planning and Policymaking in the U.S. (3.0 cr)
PA 5301 - Population Methods & Issues for the United States & Global South (3.0 cr)
PA 5311 - Program Evaluation (3.0 cr)
PA 5401 - Poverty, Inequality, and Public Policy (3.0 cr)
PA 5405 - Public Policy Implementation (3.0 cr)
PA 5413 - Early Childhood and Public Policy (1.5 - 3.0 cr)
PA 5415 - Effective Policies for Children in the First Decade (1.5 - 3.0 cr)
PA 5421 - Racial Inequality and Public Policy (3.0 cr)
PA 5426 - Community-Engaged Research and Policy with Marginalized Groups (3.0 cr)
PA 5431 - Public Policies on Work and Pay (3.0 cr)
PA 5451 *{Inactive}*(3.0 cr)
PA 5521 - Development Planning and Policy Analysis (4.0 cr)
PA 5561 - Gender and International Development (3.0 cr)
PA 5601 - Global Survey of Gender and Public Policy (3.0 cr)
PA 5711 - Science, Technology & Environmental Policy (3.0 cr)
PA 5721 - Energy Systems and Policy (3.0 cr)
PA 5723 - Water Policy (3.0 cr)
PA 5724 - Climate Change Policy (3.0 cr)
PA 5741 - Risk, Resilience and Decision Making (1.5 cr)
PA 5801 - Global Public Policy (3.0 cr)
PA 5805 - Global Economics (3.0 cr)
PA 5813 - US Foreign Policy: Issues and Institutions (3.0 cr)
PA 5814 - Global Diplomacy in a Time of Change (3.0 cr)
PA 5823 - Human Rights and Humanitarian Crises: Policy Challenges (3.0 cr)
PA 5825 - Crisis Management in Foreign Affairs (1.5 cr)
PA 5826 - National Security Policy (3.0 cr)
PA 5885 - Human Rights Policy: Issues and Actors (3.0 cr)
PA 5927 - Effective Grantwriting for Nonprofit Organizations (1.5 cr)
PA 5928 - Data Management and Visualization with R (1.5 cr)
PA 5929 - Data Visualization: Telling Stories with Numbers (2.0 cr)
PA 5933 - Survey Methods: Designing Effective Questionnaires (2.0 cr)
PUBH 6232 - Emergency Preparedness: A Public Health Perspective (2.0 cr)
PUBH 6004 - Global Health Capstone (1.0 cr)
PUBH 6011 - Public Health Approaches to HIV/AIDS (3.0 cr)
PUBH 6020 - Fundamentals of Social and Behavioral Science (2.0 cr)
PUBH 6034 - Evaluation I: Concepts (3.0 cr)

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PUBH 6035 - Evaluation II: Planning & Evaluation (3.0 cr)
PUBH 6045 - Skills for Policy Development (1.0 cr)
PUBH 6049 - Legislative Advocacy Skills for Public Health (3.0 cr)
PUBH 6050 - Community Health Promotion I: Integrating Theory, Evidence, and Context (3.0 cr)
PUBH 6051 - Community Health Promotion II: Developing, Implementing, and Justifying Interventions (3.0 cr)
PUBH 6055 - Social Inequalities in Health (2.0 cr)
PUBH 6060 - Motivational Interviewing: Strategies to Effect Behavior Change (1.0 cr)
PUBH 6066 - Building Communities, Increasing Health: Preparing for Community Health Work (2.0 cr)
PUBH 6074 - Mass Communication and Public Health (3.0 cr)
PUBH 6078 - Public Health Policy as a Prevention Strategy (2.0 cr)
PUBH 6081 - Sex, Sexuality, and Sexual Health (2.0 cr)
PUBH 6094 - Interventions to Address Weight-Related Health and Eating Disorders (2.0 cr)
PUBH 6102 - Issues in Environmental Health (2.0 cr)
PUBH 6107 - Excel Skills for Data Management in Public Health Settings (1.0 cr)
PUBH 6108 - Foundations of Global Health (2.0 cr)
PUBH 6116 - Environmental Law (1.0 cr)
PUBH 6120 - Injury Prevention in the Workplace, Community, and Home (2.0 cr)
PUBH 6123 - Violence Prevention and Control: Theory, Research, and Application (2.0 cr)
PUBH 6130 - Occupational Medicine: Principles and Practice (2.0 cr)
PUBH 6131 - Working in Global Health (2.0 cr)
PUBH 6132 - Air, Water, and Health (2.0 cr)
PUBH 6134 - Sustainable Development and Global Public Health (2.0 cr)
PUBH 6135 - Job Search Strategies and Career Professional Development (1.0 cr)
PUBH 6140 - Occupational and Environmental Epidemiology (2.0 cr)
PUBH 6150 - Interdisciplinary Evaluation of Occupational Health and Safety Field Problems (3.0 cr)
PUBH 6154 - Climate Change and Global Health Modeling (3.0 cr)
PUBH 6159 - Principles of Toxicology I (2.0 cr)
PUBH 6161 - Regulatory Toxicology (2.0 cr)
PUBH 6170 - Introduction to Occupational Health and Safety (3.0 cr)
PUBH 6173 - Exposure to Physical Agents (2.0 cr)
PUBH 6175 - Environmental Measurements Laboratory (2.0 cr)
PUBH 6177 - Nanotechnology Health and Safety (3.0 cr)
PUBH 6181 - Surveillance of Foodborne Diseases and Food Safety Hazards (2.0 cr)
PUBH 6182 - Emerging Infectious Disease: Current Issues, Policies, and Controversies (3.0 cr)
PUBH 6183 - Theory and Practice in Foodborne Disease Outbreak Detection, Investigation and Control (1.0 cr)
PUBH 6184 - Field and laboratory methods in public health entomology (2.0 cr)
PUBH 6192 - Measurement and Properties of Air Contaminants (2.0 cr)
PUBH 6193 - Advanced Topics in Human Exposure Science (2.0 cr)
PUBH 6241 - American Indian Public Health and Wellness, Health Policy, Law, Health Services Administration (2.0 cr)
PUBH 6242 - Cultural Humility with American Indian Populations (2.0 cr)
PUBH 6243 - American Indian Research, Evaluation and Collaborations (2.0 cr)
PUBH 6250 - Foundations of Public Health (2.0 cr)
PUBH 6261 - Human Centered Design for Public Health Leadership, Practice and Innovation (2.0 cr)
PUBH 6301 - Fundamentals of Clinical Research (3.0 cr)
PUBH 6303 - Clinical Research Project Seminar (2.0 cr)
PUBH 6310 - Clinical Epidemiology 1 (1.0 cr)
PUBH 6311 - Clinical Epidemiology II (1.0 cr)
PUBH 6320 - Fundamentals of Epidemiology (3.0 cr)
PUBH 6325 - Data Processing with PC-SAS (1.0 cr)
PUBH 6333 - Principles of Human Behavior I (2.0 cr)
PUBH 6341 - Epidemiologic Methods I (3.0 cr)
PUBH 6342 - Epidemiologic Methods II (3.0 cr)
PUBH 6344 - Completing the Integrative Learning Experience: Secondary Data Analysis (2.0 cr)
PUBH 6350 - Epidemiologic Methods III: Lab (1.0 cr)
PUBH 6355 - Pathophysiology of Human Disease (4.0 cr)
PUBH 6365 - Global Challenges in Infectious Disease Epidemiology (2.0 cr)
PUBH 6370 - Social Epidemiology (2.0 cr)
PUBH 6381 - Genetics in Public Health in the Age of Precision Medicine (2.0 cr)
PUBH 6385 - Epidemiology and Control of Infectious Diseases (2.0 cr)
PUBH 6386 - Cardiovascular Disease Epidemiology and Prevention (2.0 cr)
PUBH 6387 - Cancer Epidemiology (2.0 cr)
PUBH 6389 - Nutritional Epidemiology (2.0 cr)
PUBH 6262 - Global Health Experiential Learning (0.5 - 8.0 cr)
PUBH 6414 - Biostatistical Literacy (3.0 cr)
PUBH 6420 - Introduction to SAS Programming (1.0 cr)
PUBH 6432 - Biostatistical Methods in Translational and Clinical Research (1.0 cr)

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PUBH 6450 - Biostatistics I (4.0 cr)
PUBH 6451 - Biostatistics II (4.0 cr)
PUBH 6525 - Introduction to Population Health: A Health System (2.0 cr)
PUBH 6535 - Managerial Accounting for Health Services (3.0 cr)
PUBH 6541 - Statistics for Health Management Decision Making (3.0 cr)
PUBH 6542 - Management of Health Care Organizations (3.0 cr)
PUBH 6544 - Principles of Problem Solving in Health Services Organizations (3.0 cr)
PUBH 6553 - Health Care Management Ethics (1.0 cr)
PUBH 6554 - Healthcare Strategy and Marketing (2.0 cr)
PUBH 6555 - Health Economics (2.0 cr)
PUBH 6556 - Health and Health Systems (3.0 cr)
PUBH 6558 - Health Finance II (3.0 cr)
PUBH 6560 - Operations Research and Quality in Health Care (3.0 cr)
PUBH 6562 - Information Technology in Health Care (2.0 cr)
PUBH 6564 - Private Purchasers of Health Care: Roles of Employers and Health Plans in U.S. Health Care System (2.0 cr)
PUBH 6565 - Innovation of Healthcare Services (2.0 cr)
PUBH 6570 - Healthcare Administration (1.0 - 4.0 cr)
PUBH 6571 - Quality, Patient Safety, and Performance Improvement (2.0 cr)
PUBH 6576 - Understanding Clinical Quality Using Administrative Data (2.0 cr)
PUBH 6577 - Advanced Problem Solving in Health Services Administration (2.0 cr)
PUBH 6578 - Negotiation Strategies (2.0 cr)
PUBH 6596 - Legal Considerations in Health Services Organizations (2.0 cr)
PUBH 6601 - Born a Girl: Global Women's Health (1.0 cr)
PUBH 6605 - Sexual, Reproductive, and Perinatal Public Health (2.0 cr)
PUBH 6606 - Children's Health: Life Course and Equity Perspectives (2.0 cr)
PUBH 6607 - Adolescent Health: Issues, Programs, and Policies (2.0 cr)
PUBH 6613 - Children and Youth With Special Health Care Needs (2.0 cr)
PUBH 6627 - Sexuality Education: Criteria, Curricula, and Controversy (1.0 cr)
PUBH 6630 - Foundations of Maternal and Child Health Leadership (3.0 cr)
PUBH 6636 - Qualitative Research Methods in Public Health Practice (2.0 cr)
PUBH 6673 - Grant Writing for Public Health (1.0 cr)
PUBH 6675 - Women's Health (2.0 cr)
PUBH 6702 - Integrative Leadership Seminar (3.0 cr)
PUBH 6711 - Public Health Law (2.0 cr)
PUBH 6717 - Decision Analysis for Health Care (2.0 cr)
PUBH 6724 - The Health Care System and Public Health (3.0 cr)
PUBH 6727 - Health Leadership and Effecting Change (2.0 cr)
PUBH 6780 - Topics in Public Health Administration and Policy (1.0 - 3.0 cr)
PUBH 6803 - Conducting a Systematic Literature Review (3.0 cr)
PUBH 6805 - Introduction to Project Management for Health Professionals (2.0 cr)
PUBH 6806 - Principles of Public Health Research (2.0 cr)
PUBH 6809 - Advanced Methods in Health Decision Science (3.0 cr)
PUBH 6813 - Managing Electronic Health Information (2.0 cr)
PUBH 6815 - Community-based Participatory Research (2.0 cr)
PUBH 6832 - Economics of the Health Care System (3.0 cr)
PUBH 6845 - Using Demographic Data for Policy Analysis (3.0 cr)
PUBH 6852 - Program Evaluation in Health and Mental Health Settings (2.0 cr)
PUBH 6855 - Medical Sociology (3.0 cr)
PUBH 6862 - Cost-Effectiveness Analysis in Health Care (3.0 cr)
PUBH 6864 - Conducting Health Outcomes Research (3.0 cr)
PUBH 6901 - Foundations of Public Health Nutrition Leadership (2.0 cr)
PUBH 6904 - Nutrition and Aging (2.0 cr)
PUBH 6906 - Global Nutrition (2.0 cr)
PUBH 6907 - Maternal, Infant, Child and Adolescent Nutrition (3.0 cr)
PUBH 6914 - Community Nutrition Intervention (3.0 cr)
PUBH 6915 - Nutrition Assessment (2.0 cr)
PUBH 6933 - Public Health Nutrition for Adults (2.0 cr)
PUBH 6954 - Personal, Social and Environmental Influences on the Weight-Related Health of Pediatric Populations (2.0 cr)
PUBH 6955 - Using Policy to Promote Healthy Eating and Activity Among Young People (1.0 cr)
PUBH 6995 - Community Nutrition Practicum (7.0 cr)
PUBH 6996 - Clinical Nutrition Practicum (7.0 cr)
PUBH 7091 - Independent Study: Community Health Promotion (1.0 - 4.0 cr)
PUBH 7193 - Directed Study: Environmental Health (1.0 - 4.0 cr)
PUBH 7200 - Topics: Public Health Practice (0.5 - 4.0 cr)
PUBH 7210 - Topics: Global Food Systems (0.5 cr)
PUBH 7214 - Principles of Risk Communication (1.0 cr)

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PUBH 7221 - Planning for Urgent Threats (1.0 cr)
PUBH 7230 - Topics in Infectious Disease (0.5 - 4.0 cr)
PUBH 7231 - Surveillance of Foodborne Diseases in Humans (1.0 cr)
PUBH 7235 - Surveillance of Zoonotic Pathogens in Animals (1.0 cr)
PUBH 7250 - Designing and Conducting Focus Group Interviews (1.0 cr)
PUBH 7253 - Introduction to GIS (1.0 cr)
PUBH 7257 - Qualitative Data Analysis (1.0 cr)
PUBH 7262 - Globalization and Health (1.0 cr)
PUBH 7391 - Independent Study: Epidemiology (1.0 - 4.0 cr)
PUBH 7392 - Readings in Epidemiology (1.0 - 4.0 cr)
PUBH 7401 - Fundamentals of Biostatistical Inference (4.0 cr)
PUBH 7402 - Biostatistics Modeling and Methods (4.0 cr)
PUBH 7406 - Biostatistical Inference II (3.0 cr)
PUBH 7415 - Introduction to Clinical Trials (3.0 cr)
PUBH 7420 - Clinical Trials: Design, Implementation, and Analysis (3.0 cr)
PUBH 7430 - Statistical Methods for Correlated Data (3.0 cr)
PUBH 7440 - Introduction to Bayesian Analysis (3.0 cr)
PUBH 7445 - Statistics for Human Genetics and Molecular Biology (3.0 cr)
PUBH 7450 - Survival Analysis (3.0 cr)
PUBH 7461 - Exploring and Visualizing Data in R (2.0 cr)
PUBH 7462 - Advanced Programming and Data Analysis in R (2.0 cr)
PUBH 7465 - Biostatistics Consulting (2.0 cr)
PUBH 7470 - Study Designs in Biomedical Research (3.0 cr)
PUBH 7475 - Statistical Learning and Data Mining (3.0 cr)
PUBH 7485 - Methods for Causal Inference (3.0 cr)
PUBH 7534 - Marketing for Health Care Professionals (1.0 cr)
PUBH 7537 - Healthcare Finance (3.0 cr)
PUBH 7542 - Quality Improvement and Patient Safety (2.0 cr)
PUBH 7547 - Health Care Human Resource Management (2.0 cr)
PUBH 7551 - Principles of Management in Health Services Organizations (2.0 cr)
PUBH 7553 - Health Care Management Ethics (1.0 cr)
PUBH 7554 - Health Care Strategy and Marketing (3.0 cr)
PUBH 7555 - Health Economics (2.0 cr)
PUBH 7556 - Health and Health Systems (2.0 cr)
PUBH 7560 - Operations Research and Quality in Health Care (3.0 cr)
PUBH 7562 - Information Technology in Health Care (2.0 cr)
PUBH 7564 - Private Purchasers of Health Care (2.0 cr)
PUBH 7565 - Innovation of Healthcare Services (2.0 cr)
PUBH 7569 - Health Care Policy (1.0 cr)
PUBH 7570 - Topics: Healthcare Administration (1.0 cr)
PUBH 7576 - Legal Considerations in Health Services Organizations (2.0 cr)
PUBH 7590 - Gerontology for Healthcare Managers (1.0 cr)
PUBH 7591 - Independent Study: Health Care Administration (1.0 - 4.0 cr)
PUBH 7691 - Independent Study: Maternal and Child Health (1.0 - 4.0 cr)
PUBH 7720 - Data to Drive Public Health (2.0 cr)
PUBH 7791 - Independent Study: Public Health Administration and Policy (1.0 - 6.0 cr)
PUBH 8120 - Occupational and Environmental Health Sciences Research Seminar (1.0 cr)
PUBH 8160 - Advanced Toxicology (2.0 cr)
PUBH 8166 - Experiences in Toxicology Research (3.0 cr)
PUBH 8194 - Directed Research: Environmental Health (1.0 - 6.0 cr)
PUBH 8341 - Advanced Epidemiologic Methods: Concepts (3.0 cr)
PUBH 8342 - Advanced Epidemiologic Methods: Applications (3.0 cr)
PUBH 8344 - Advanced Epidemiologic Methods Workshop (1.0 cr)
PUBH 8393 - Directed Study: Clinical Research (1.0 - 4.0 cr)
PUBH 8401 - Linear Models (3.0 cr)
PUBH 8403 - Research Skills in Biostatistics (1.0 cr)
PUBH 8432 - Probability Models for Biostatistics (3.0 cr)
PUBH 8445 - Statistics for Human Genetics and Molecular Biology (3.0 cr)
PUBH 8446 - Advanced Statistical Genetics and Genomics (3.0 cr)
PUBH 8475 - Statistical Learning and Data Mining (3.0 cr)
PUBH 8482 - Sequential and Adaptive Methods for Clinical Trials (3.0 cr)
PUBH 8485 - Methods for Causal Inference (3.0 cr)
PUBH 8492 - Theories of Hierarchical and Other Richly Parametrized Linear Models (3.0 cr)
PUBH 8804 - Advanced Quantitative Methods Seminar (3.0 cr)
PUBH 8810 - Research Studies in Health Care (3.0 cr)
PUBH 8811 - Research Methods in Health Care (3.0 cr)

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PUBH 8814 - Mixed Methods: Quantitative and Qualitative Strategies in Research (2.0 cr)
PUBH 8816 - Implementation Science (2.0 cr)
PUBH 8821 - Health Economics II (3.0 cr)
PUBH 8830 - Writing for Research (2.0 cr)
PUBH 8831 - Writing for Research (2.0 cr)
SW 5051 - Human Behavior and the Social Environment (2.0 cr)
SW 5101 - Historical Origins and Contemporary Policies in Social Welfare (3.0 cr)
SW 5562 - Global Social Work and Social Development (3.0 cr)
SW 5904 - Facilitation and Conflict Management: Humanistic Approach (2.0 cr)
SW 5912 - Grief and Loss in Social Work Practice (1.0 cr)
SW 8151 - Social Work Methods: Practice With Individuals and Systems (2.0 cr)
SW 8152 - Social Work Practice Methods: Families and Groups (2.0 cr)
SW 8153 - Social Work Practice Methods: Macro Practice and Organizations (2.0 cr)
SW 8251 - Social Work Practice in Health, Disabilities, and Aging (3.0 cr)
SW 8262 - Empowerment Practice With Persons With Disabilities (3.0 cr)
SW 8263 - Essential Skills and Perspectives for Working with Older Adults (3.0 cr)
SW 8351 - Assessment and Engagement with Families and Children (3.0 cr)
SW 8352 - Intervention Methods with Families (3.0 cr)
SW 8363 - Social Work in Child Welfare (3.0 cr)
SW 8461 - Advanced Clinical Social Work Practice with Adults (3.0 cr)
SW 8551 - Advanced Community Practice: Assessment, Organizing, and Advocacy (3.0 cr)
SW 8552 - Advanced Community Practice: Leadership, Planning, and Program Development (3.0 cr)
SW 8563 - Advanced Policy Advocacy (3.0 cr)
SW 8804 - Child Welfare Policy (3.0 cr)
SW 8806 - Health and Mental Health Policy (3.0 cr)
SW 8807 - International and Comparative Social Welfare Policy (3.0 cr)
SW 8821 - Social Work and Difference, Diversity and Privilege (2.0 cr)
SW 8841 - Social Work Research Methods (2.0 cr)
SW 8842 - Advanced Social Work Evaluation (1.0 - 3.0 cr)
SW 8843 - Social Work Program Evaluation (1.0 - 2.0 cr)
SW 8851 - Social Welfare History and Historical Research Methods (3.0 cr)
SW 8901 - Assessment and Treatment of Trauma (2.0 cr)
SW 8902 - Social Work Supervision, Consultation, and Leadership (2.0 cr)
VMED 5101 - Molecular and Cellular Basis of Nanoparticle Toxicity (3.0 cr)
VMED 5165 - Surveillance of Foodborne Diseases and Food Safety Hazards (2.0 cr)
VMED 5180 - Ecology of Infectious Disease (3.0 cr)
VMED 5181 - Spatial Analysis in Infectious Disease Epidemiology (3.0 cr)
VMED 5915 - Essential Statistics for Life Sciences (3.0 cr)
VMED 8090 - Epidemiology of Zoonoses and Diseases Common to Animals and Humans (3.0 cr)
VMED 8134 - Ethical Conduct of Animal Research (3.0 cr)

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