

DrPH School-wide Core Competencies

			Evaluation Opportunities								
Specific Competencies	Learning Opportunities		Course Work/Exam	Written Comps	Department Preliminary Orals	School Preliminary Orals	Dissertation	Final Defense	Public Dissertation Presentation	Non-Dissertation Research (Practicum)	DrPH Seminar
1. Apply the analytical tools of epidemiology and biostatistics to address specific public health problems											
Apply epidemiologic study methods to evaluate the determinants and risk factors related to a specific public health problem	<a href="#">340.601</a> Principles of Epidemiology <a href="#">340.602</a> Intermediate Epidemiology <a href="#">340.608</a> Observational Epidemiology <a href="#">550.691-3</a> Quantitative Methods in Public Health I-III Dissertation Non-Dissertation Research		X		X	X	X	X		X	
Obtain data through existing sources, design new studies and link data systems related to a specific public health problem	<a href="#">140.624</a> Statistical Methods in Public Health IV <a href="#">140.654</a> Methods in Biostatistics IV Non-Dissertation Research		X		X	X	X	X		X	
Apply appropriate statistical analyses to address policy and program performance and to study a specific public health problem	<a href="#">140.611-2</a> Statistical Reasoning in Public Health I-II <a href="#">140.613-4</a> Data Analysis Workshop I-II <a href="#">140.621-4</a> Statistical Methods in Public Health I-IV <a href="#">140.651-4</a> Methods in Biostatistics I-IV <a href="#">140.889</a> Advanced Data Analysis Workshop Dissertation Non-Dissertation Research		X	X	X	X	X	X		X	

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1. Apply the analytical tools of epidemiology and biostatistics to address specific public health problems, continued	<p>Evaluate, critique and integrate the results from multiple studies, determine the state of knowledge and research needs, and apply the most appropriate analytic approaches to identify policy and program options to address a specific problem</p>	<p><a href="#">140.611-2</a> Statistical Reasoning in Public Health I-II</p> <p><a href="#">140.613-4</a> Data Analysis Workshop I-II</p> <p><a href="#">140.621-4</a> Statistical Methods in Public Health I-IV</p> <p><a href="#">140.651-4</a> Methods in Biostatistics I-IV</p> <p><a href="#">140.889</a> Advanced Data Analysis Workshop</p> <p><a href="#">340.601</a> Principles of Epidemiology</p> <p><a href="#">340.602</a> Intermediate Epidemiology</p> <p><a href="#">340.608</a> Observational Epidemiology</p> <p><a href="#">550.691-3</a> Quantitative Methods in Public Health I-III</p> <p>Departmental Doctoral Research Seminars</p> <p>DrPH Seminar</p> <p>Dissertation</p> <p>Non-Dissertation Research</p>	X		X	X	X	X		X	X
		<p><a href="#">306.680</a> Ethics of Human Subject Research</p> <p><a href="#">550.860</a> Research Ethics</p> <p>Dissertation</p>	X				X				

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2. Apply ethical concepts and tools to public health research and practice  Describe basic principles of bioethics and how these should be applied in the ethical conduct of human subject research in public health	<a href="#">221.616</a>	Ethics of Public Health Practice in Developing Countries	X				X				
	<a href="#">306.655</a>	Ethical Issues in Public Health									
	<a href="#">306.663</a>	Legal and Ethical Issues in Health Services Management									
	<a href="#">306.665</a>	Research Ethics and Integrity									
Understand the principles of informed consent and how to obtain informed consent in human subjects research in public health	<a href="#">221.616</a>	Ethics of Public Health Practice in Developing Countries	X				X				
	<a href="#">306.655</a>	Ethical Issues in Public Health									
	<a href="#">306.663</a>	Legal and Ethical Issues in Health Services Management									
	<a href="#">306.665</a>	Research Ethics and Integrity									
Incorporate the principles of academic ethics including issues of authorship, scientific misconduct and conflicts of interest in scientific research and evaluation	<a href="#">221.616</a>	Ethics of Public Health Practice in Developing Countries	X				X				
	<a href="#">306.655</a>	Ethical Issues in Public Health									
	<a href="#">306.663</a>	Legal and Ethical Issues in Health Services Management									
	<a href="#">306.665</a>	Research Ethics and Integrity									
Identify and define legal and ethical conflicts in the delivery of public health and/or health care in the US and/or international context	<a href="#">221.616</a>	Ethics of Public Health Practice in Developing Countries	X								X
	<a href="#">306.655</a>	Ethical Issues in Public Health									
	<a href="#">306.663</a>	Legal and Ethical Issues in Health Services Management									
	<a href="#">306.665</a>	Research Ethics and Integrity									

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3. Apply the skills of policy analysis and program development to improve individual and community health											
Demonstrate the skills of policy analysis	<a href="#">180.629</a> Environmental and Occupational Health Law and Policy <a href="#">221.609</a> International Health Reform <a href="#">300.600-2</a> Introduction to Health Policy I-II <a href="#">301.607</a> Health Policy Analysis and Synthesis <a href="#">306.650</a> Public Health and the Law <a href="#">308.602-3</a> Role of Government in Health Policy I-II <a href="#">380.624</a> Maternal and Child Health Legislation and Programs	X							X		
Demonstrate the skills in one or more program areas, including needs-assessment, development of program objectives, developing a conceptual framework, or program evaluation	<a href="#">180.629</a> Environmental and Occupational Health Law and Policy <a href="#">221.609</a> International Health Reform <a href="#">221.706-7</a> Managing Health Systems in Developing Countries I-II <a href="#">221.722</a> Quality Assurance Management Methods for Developing Countries <a href="#">300.600-2</a> Introduction to Health Policy I-II <a href="#">301.607</a> Health Policy Analysis and Synthesis <a href="#">306.650</a> Public Health and the Law <a href="#">308.602-3</a> Role of Government in Health Policy I-II <a href="#">312.615</a> Theories of Organization and Management <a href="#">380.624</a> Maternal and Child Health Legislation and Programs <a href="#">551.601</a> Managing Health Services Organizations <a href="#">551.602</a> Exercises in Managing Health Services Organizations <a href="#">551.605</a> Case Studies in Management Decision-Making <a href="#">551.606</a> Case Studies in Healthcare Policy and Leadership Non-Dissertation Research	X							X		
Engage in work with policy-makers	DrPH Seminar Non-Dissertation Research									X	X

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<b>4. Engage in advocacy activities to promote the health of the public</b>										
Create and articulate advocacy approaches that are grounded in scientific evidence and persuasively presented, for example, as testimony	DrPH Seminar Non-Dissertation Research								X	X

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<b>5. Communicate public health policies, problems assessments and evidence-based practices to professionals, policy makers, lay public and other audiences</b>										
Document and demonstrate written and oral communication skills through papers, publications, presentations, websites, media, interviews, and other venues	DrPH Seminar Dissertation Final Defense and Public Dissertation Presentation Non-Dissertation Research	X				X	X	X	X	X
Participate in community-based public health activities	DrPH Seminar Dissertation Non-Dissertation Research	X				X			X	X

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<b>6. Demonstrate leadership skills</b>										
<b>Specific Competencies</b>	<b>Learning Opportunities</b>									
Create and articulate a personal philosophy of leadership and approaches to the practice of leadership	DrPH Seminar Non-Dissertation Research	X							X	X
Apply current leadership theories and concepts to the analysis and resolution of organizational leadership challenges	DrPH Seminar Non-Dissertation Research	X							X	X
Apply the skills of cultural competence to public health assessment, policy development, professional practice, and advocacy	DrPH Seminar Non-Dissertation Research	X							X	X

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7. Apply management and financial management skills to development of public health programs  Analyze the advantages and disadvantages of alternative models of health delivery systems	<a href="#">221.706-7</a>	Managing Health Systems in Developing Countries I-II	X								
	<a href="#">221.722</a>	Quality Assurance Management Methods for Developing Countries									
	<a href="#">312.615</a>	Theories of Organization and Management									
	<a href="#">551.601</a>	Managing Health Services Organizations									
	<a href="#">551.602</a>	Exercises in Managing Health Services Organizations									
	<a href="#">551.605</a> <a href="#">551.606</a>	Case Studies in Management Decision-Making Case Studies in Healthcare Policy and Leadership									
Demonstrate a functional knowledge of the tools for evaluating the process, outcomes and costs of programs/projects/organizational units	<a href="#">221.706-7</a>	Managing Health Systems in Developing Countries I-II	X				X	X		X	
	<a href="#">221.722</a>	Quality Assurance Management Methods for Developing Countries									
	<a href="#">312.615</a>	Theories of Organization and Management									
	<a href="#">551.601</a>	Managing Health Services Organizations									
	<a href="#">551.602</a>	Exercises in Managing Health Services Organizations									
	<a href="#">551.605</a> <a href="#">551.606</a>	Case Studies in Management Decision-Making Case Studies in Healthcare Policy and Leadership									

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7. Apply management and financial management skills to development of public health programs, continued  Apply basic human relations skills to program/project/organizational management, including the motivation of personnel, team building, negotiation and conflict management	<a href="#">221.706-7</a>	Managing Health Systems in Developing Countries I-II	X								
	<a href="#">221.722</a>	Quality Assurance Management Methods for Developing Countries									
	<a href="#">312.615</a>	Theories of Organization and Management									
	<a href="#">551.601</a>	Managing Health Services Organizations									
	<a href="#">551.602</a>	Exercises in Managing Health Services Organizations									
	<a href="#">551.605</a>	Case Studies in Management Decision-Making									
<a href="#">551.606</a>	Case Studies in Healthcare Policy and Leadership										
Apply principles of strategic planning and project management	<a href="#">221.706-7</a>	Managing Health Systems in Developing Countries I-II	X								
	<a href="#">221.722</a>	Quality Assurance Management Methods for Developing Countries									
	<a href="#">312.615</a>	Theories of Organization and Management									
	<a href="#">551.601</a>	Managing Health Services Organizations									
	<a href="#">551.602</a>	Exercises in Managing Health Services Organizations									
	<a href="#">551.603</a>	Fundamentals of Budgeting and Financial Management									
<a href="#">551.605</a>	Case Studies in Management Decision-Making										
<a href="#">551.606</a>	Case Studies in Healthcare Policy and Leadership										

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7. Apply management and financial management skills to development of public health programs, continued  Apply quality and performance improvement concepts and tools to address program/project/ organizational performance issues	<a href="#">221.706-7</a>	Managing Health Systems in Developing Countries I-II	X								
	<a href="#">221.722</a>	Quality Assurance Management Methods for Developing Countries									
	<a href="#">312.615</a>	Theories of Organization and Management									
	<a href="#">551.601</a>	Managing Health Services Organizations									
	<a href="#">551.602</a>	Exercises in Managing Health Services Organizations									
	<a href="#">551.605</a> <a href="#">551.606</a>	Case Studies in Management Decision-Making Case Studies in Healthcare Policy and Leadership									
Demonstrate the ability to develop and justify a budget and interpret financial performance	<a href="#">551.603</a>	Fundamentals of Budgeting and Financial Management	X								
Demonstrate an understanding of budget processes, strategies for determining budget priorities, and tools for managing financial resources within budget constraints	<a href="#">551.603</a>	Fundamentals of Budgeting and Financial Management	X								