

PUBLIC HEALTH (PH)

PH 601 Intro Public Health 1 Credit hour

An introduction to public health, including its foundation and history, principles and characteristics of the discipline, professional roles, and individual career development and planning.

Grade Mode: Normal Grading Mode

PH 602 Public Health Biology 2 Credit hours

Reviews biological bases of public health issues, including principles of disease development, including genetics, oncogenesis, and immunology. May be waived for those holding appropriate degrees in biological or clinical sciences.

Grade Mode: Normal Grading Mode

PH 603 Intro to Rural Health 3 Credit hours

Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.

Grade Mode: Normal Grading Mode

PH 610 Intro to PH 2 Credit hours

This course introduces students to the field of public health, how it works, and provides students with an opportunity to become familiar with essential concepts and resources in public health.

Grade Mode: Normal Grading Mode

PH 611 Epidemiology 3 Credit hours

An introduction to basic concepts of including risk, study design, and analysis. Students apply these techniques to examine outbreaks, and evaluate preventives, diagnostics and treatments.

Grade Mode: Normal Grading Mode

PH 615 Health Sys Research 3 Credit hours

An introduction to research in public health. Students examine prerequisites to successful study, as well as issues including funding, protocol design, data management, analysis, collaboration, and publication.

Co-req: PH 611, PH 621

Grade Mode: Normal Grading Mode

PH 616 Clinical Trials 3 Credit hours

An examination of methods and issues in conducting clinical research. Includes critical aspects of study design, protocol development, recruitment and consent, and assessment of outcomes.

Pre-req: PH 611 and PH 621.

Grade Mode: Normal Grading Mode

PH 617 Meth Comp Study 3 Credit hours

Examination of methods to determine the relative value of preventive, diagnostic and treatment alternatives for efficacy, cost, and practical application. Models include meta-analysis, comparative effectiveness trials, and data mining.

Pre-req: PH 611 and PH 621.

Grade Mode: Normal Grading Mode

PH 620 PH Issues 2 Credit hours

Provide practical situations and contemporary issues in public health where students apply knowledge and theoretical concepts from coursework, strengthen existing skills/analytic thinking, and apply public health core competencies.

Grade Mode: Normal Grading Mode

PH 621 Statistical Methods I 3 Credit hours

Introduction to statistical principles and methods. Includes descriptive and inferential statistics. Students will gain experience in the use of SPSS software, and in the interpretation and communication of statistical tests.

Grade Mode: Normal Grading Mode

PH 622 Statistical Methods II 2 Credit hours

Examination of procedures including multiple linear and logistic regression, survival analysis, advanced non-parametric tests, repeated measures. Students gain experience in the use of SAS software for data management and analysis.

Pre-req: PH 621.

Grade Mode: Normal Grading Mode

PH 631 Environmental Health 2 Credit hours

Introduction to environmental health principles, practices and policy. Students gain knowledge of the study, assessment, prevention and mitigation of exposures adversely affecting health.

Pre-req: PH 621.

Grade Mode: Normal Grading Mode

PH 641 Social Behavioral Aspects PH 2 Credit hours

Examination of the application of social and behavioral sciences in public health, with emphasis on behavioral theory and related mechanisms for effecting individual and group changes in health status.

Grade Mode: Normal Grading Mode

PH 642 Health Communications 2 Credit hours

Students learn methods to communicate health information effectively with disparate groups, develop communications strategies appropriate to diverse content and audiences, and gain skill in utilizing innovative interactive media.

Grade Mode: Normal Grading Mode

PH 650 MPH Practicum 6 Credit hours

To provide students with opportunity to apply concepts and knowledge from the MPH curriculum and demonstrate competency in the public health practice setting.

Grade Mode: Credit/No Credit Grade Only

PH 651 Public Health Services 2 Credit hours

An introduction to public health management, planning, implementation and evaluation. Students gain an integrated understanding of public health resources and their effective utilization to improve health.

Grade Mode: Normal Grading Mode

PH 653 Rural Health Addiction 2 Credit hours

Introduction to the public health issues of, and interventions for, alcohol, tobacco, and drug addiction in the Appalachian region, with a special emphasis on opioid addiction and drug overdose.

Grade Mode: Normal Grading Mode

PH 655 Intro Health Policy 2 Credit hours

An introduction to legal and policy foundations of U.S. health care, including its delivery, regulation and financing. Students develop skills in policy analysis and formulation, and learn principles of advocacy.

Grade Mode: Normal Grading Mode

PH 656 Topics in Health Policy 3 Credit hours

A study of current issues of health policy, including major issues of health reform. Students apply their skills to formulate, package, and present their own health policy proposal.

Grade Mode: Normal Grading Mode

<p>PH 657 Public Health Prog Eval 3 Credit hours This course deals with the application of research methods to evaluate public health programs and health services. Pre-req: PH 621 with a minimum grade of D. Grade Mode: Normal Grading Mode</p>	<p>PH 692 Seminar 1 Credit hour Introduction to health science literature review and critique, as well as presentation of research and practicum reports. Grade Mode: Normal Grading Mode</p>
<p>PH 660 Environmental PH 3 Credit hours This graduate course provides students with a broad knowledge base of environmental public health science by addressing the significance of the environment on human health and wellness. Grade Mode: Normal Grading Mode</p>	<p>PH 693 Law and Ethics 3 Credit hours Introduction to the legal and ethical foundations of public health practice, including study of how individuals, practitioners, organizations and government address key issues. Grade Mode: Normal Grading Mode</p>
<p>PH 661 Chronic Disease 3 Credit hours Examination of major chronic diseases including mechanisms of development, risk, diagnosis and interventional strategies. Scope of the course includes cardiovascular, respiratory and neurodegenerative disorders, as well as diabetes and cancer. Grade Mode: Normal Grading Mode</p>	<p>PH 694 Practicum 3 Credit hours Applied public health experience conducted under guidance of a faculty advisor and site preceptor, including a specific set of proposed project and learning objectives, and utilizing a community partner. Pre-req: PH 611 and PH 621 and PH 641 and PH 686 and PH 693. Attributes: No Textbook Required Grade Mode: Credit/No Credit Grade Only</p>
<p>PH 662 Control of Inf Disease 3 Credit hours Examination of infectious diseases from a public health perspective, including strategies for prevention, treatment, control and eradication. Pre-req: PH 611. Grade Mode: Normal Grading Mode</p>	<p>PH 695 Research 3 Credit hours Student research project, under guidance of the faculty advisor. Student project may include work towards thesis. Pre-req: PH 611 and PH 621. Grade Mode: Credit/No Credit Grade Only</p>
<p>PH 663 Health Behavior 3 Credit hours This course introduces students to the models of health behavior as it applies to public health. Grade Mode: Normal Grading Mode</p>	<p>PH 696 Capstone 3 Credit hours Course provides a structured and mentored process for students to produce written and oral components of a capstone project on a selected topic or question. (PR: Prior or current PH 694 or PH 695) Pre-req: PH 694 (may be taken concurrently) or PH 695 (may be taken concurrently). Concurrent PR: PH 694 or PH 695 Grade Mode: Normal Grading Mode</p>
<p>PH 671 Community Health 3 Credit hours Students learn how to facilitate programs and capacity building to enable communities to identify and address health issues. Students gain training in surveying and interviewing, and in health impact assessment. Grade Mode: Normal Grading Mode</p>	
<p>PH 672 Global Health 3 Credit hours An introduction to global health, including examination of disparities, development. The roles of governments, NGOs and citizens are examined; and students gain experience in issue analysis and developing health strategies. Pre-req: PH 611. Grade Mode: Normal Grading Mode</p>	
<p>PH 678 Principles Epi in PH 3 Credit hours Basic epidemiology principles, concepts, and procedures useful in the surveillance and investigation of health-related states or events. It is designed for federal, state, local government and private sector health professionals responsible for disease control. Grade Mode: Normal Grading Mode</p>	
<p>PH 686 Health Information Technology 3 Credit hours An introduction to health information technology applications and issues, as well as the growing impact of advances in biotechnology on public health. Grade Mode: Normal Grading Mode</p>	
<p>PH 689 Community Outreach Health 3 Credit hours Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia. Grade Mode: Normal Grading Mode</p>	
<p>PH 691 Health Promo & Disease Prevent 3 Credit hours This graduate course provides students with a broad knowledge base of health promotion and disease prevention in public health. Grade Mode: Normal Grading Mode</p>	