

# PUBLIC HEALTH (PH)

<b>PH 601 Intro Public Health</b>	<b>1 Credit hour</b>
An introduction to public health, including its foundation and history, principles and characteristics of the discipline, professional roles, and individual career development and planning.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 602 Public Health Biology</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 603 Intro to Rural Health</b>	<b>3 Credit hours</b>
Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 610 Intro to PH</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 611 Epidemiology</b>	<b>3 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 615 Health Sys Research</b>	<b>3 Credit hours</b>
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.	
<b>Co-req:</b> PH 611, PH 621	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 616 Clinical Trials</b>	<b>3 Credit hours</b>
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.	
<b>Pre-req:</b> PH 611 and PH 621.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 617 Meth Comp Study</b>	<b>3 Credit hours</b>
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.	
<b>Pre-req:</b> PH 611 and PH 621.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 620 PH Issues</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 621 Statistical Methods I</b>	<b>3 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 622 Statistical Methods II</b>	<b>2 Credit hours</b>
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.	
<b>Pre-req:</b> PH 621 with a minimum grade of C.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 631 Environmental Health</b>	<b>2 Credit hours</b>
Introduction to environmental health principles, practices and policy. Students gain knowledge of the study, assessment, prevention and mitigation of exposures adversely affecting health.	
<b>Pre-req:</b> PH 621 with a minimum grade of C.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 641 Social Behavioral Aspects PH</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 642 Health Communications</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 650 MPH Practicum</b>	<b>6 Credit hours</b>
To provide students with opportunity to apply concepts and knowledge from the MPH curriculum and demonstrate competency in the public health practice setting.	
<b>Grade Mode:</b> Credit/No Credit Grade Only	
<b>PH 651 Public Health Services</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 653 Rural Health Addiction</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 655 Intro Health Policy</b>	<b>2 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	
<b>PH 656 Topics in Health Policy</b>	<b>3 Credit hours</b>
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.	
<b>Grade Mode:</b> Normal Grading Mode	

<p><b>PH 657 Public Health Prog Eval</b> <b>3 Credit hours</b>  This course deals with the application of research methods to evaluate public health programs and health services.  <b>Pre-req:</b> PH 621 with a minimum grade of D.  <b>Grade Mode:</b> Normal Grading Mode</p>	<p><b>PH 692 Seminar</b> <b>1 Credit hour</b>  Introduction to health science literature review and critique, as well as presentation of research and practicum reports.  <b>Grade Mode:</b> Normal Grading Mode</p>
<p><b>PH 660 Environmental PH</b> <b>3 Credit hours</b>  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.  <b>Grade Mode:</b> Normal Grading Mode</p>	<p><b>PH 693 Law and Ethics</b> <b>3 Credit hours</b>  Introduction to the legal and ethical foundations of public health practice, including study of how individuals, practitioners, organizations and government address key issues.  <b>Grade Mode:</b> Normal Grading Mode</p>
<p><b>PH 661 Chronic Disease</b> <b>3 Credit hours</b>  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.  <b>Grade Mode:</b> Normal Grading Mode</p>	<p><b>PH 694 Practicum</b> <b>3 Credit hours</b>  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.  <b>Pre-req:</b> PH 611 with a minimum grade of C and PH 621 with a minimum grade of C and PH 641 with a minimum grade of C and PH 686 with a minimum grade of C and PH 693 with a minimum grade of C.</p>
<p><b>PH 662 Control of Inf Disease</b> <b>3 Credit hours</b>  Examination of infectious diseases from a public health perspective, including strategies for prevention, treatment, control and eradication.  <b>Pre-req:</b> PH 611 with a minimum grade of C.  <b>Grade Mode:</b> Normal Grading Mode</p>	<p><b>Attributes:</b> No Textbook Required  <b>Grade Mode:</b> Credit/No Credit Grade Only</p>
<p><b>PH 663 Health Behavior</b> <b>3 Credit hours</b>  This course introduces students to the models of health behavior as it applies to public health.  <b>Grade Mode:</b> Normal Grading Mode</p>	<p><b>PH 695 Research</b> <b>3 Credit hours</b>  Student research project, under guidance of the faculty advisor. Student project may include work towards thesis.  <b>Pre-req:</b> PH 611 and PH 621.  <b>Attributes:</b> Thesis  <b>Grade Mode:</b> Credit/No Credit Grade Only</p>
<p><b>PH 671 Community Health</b> <b>3 Credit hours</b>  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.  <b>Grade Mode:</b> Normal Grading Mode</p>	<p><b>PH 696 Capstone</b> <b>3 Credit hours</b>  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)  <b>Pre-req:</b> PH 694 (may be taken concurrently) with a minimum grade of C or PH 695 (may be taken concurrently) with a minimum grade of C.  <b>Concurrent PR:</b> PH 694 or PH 695  <b>Grade Mode:</b> Normal Grading Mode</p>
<p><b>PH 672 Global Health</b> <b>3 Credit hours</b>  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.  <b>Pre-req:</b> PH 611.  <b>Grade Mode:</b> Normal Grading Mode</p>	
<p><b>PH 678 Principles Epi in PH</b> <b>3 Credit hours</b>  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.  <b>Grade Mode:</b> Normal Grading Mode</p>	
<p><b>PH 686 Health Information Technology</b> <b>3 Credit hours</b>  An introduction to health information technology applications and issues, as well as the growing impact of advances in biotechnology on public health.  <b>Grade Mode:</b> Normal Grading Mode</p>	
<p><b>PH 689 Community Outreach Health</b> <b>3 Credit hours</b>  Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia.  <b>Grade Mode:</b> Normal Grading Mode</p>	
<p><b>PH 691 Health Promo &amp; Disease Prevent</b> <b>3 Credit hours</b>  This graduate course provides students with a broad knowledge base of health promotion and disease prevention in public health.  <b>Grade Mode:</b> Normal Grading Mode</p>	