3.3 Other Concentration-Specific Courses and Electives

In addition to concentration-specific courses, students take six credit hours of electives.

Most graduate level university course (6000 or above) approved by the student’s academic advisor for which the Instructor grants permission to enroll may be considered. Academic advisors work with students to choose electives that best prepare them for their future in the public health workforce. Students planning to conduct a survey to meet their professional paper (below) or internship requirements or their professional goals are strongly encouraged to take Introduction to Survey Methodology (MPH 7021).

**Epidemiology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>BIOS 7022</td>
<td>Biostatistics for Health Professionals II (3 SH)</td>
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<td></td>
<td>Topics include ANOVA for multi-factor designs and analysis of single degree of freedom contrasts; randomized block and repeated measures designs; nonparametric methods for standard designs; multiple linear and logistic regression; and chi-square analysis of contingency tables.</td>
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<td></td>
<td>Prerequisites: Biostatistics for Health Professionals I (BIOS 7021) with a grade of B or better or consent of instructor.</td>
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<tr>
<td>MPH 7202</td>
<td>Introduction to Public Health Data Analysis (3 SH)</td>
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<td></td>
<td>Basic instruction in public health data analysis using core features of SAS Software.</td>
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<td></td>
<td>Prerequisites: Biostatistics for Health Professionals I (MPH 7021), Introduction to Epidemiology (MPH 6011), or consent of instructor</td>
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<tr>
<td>MPH 8021</td>
<td>Epidemiology of Chronic Disease (3 SH)</td>
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<td></td>
<td>Epidemiologic measures, statistical methods, and quantitative models specific to chronic disease epidemiology.</td>
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<td></td>
<td>Prerequisites: Public Health Practice (MPH 6000), Introduction to Epidemiology (MPH 6011), or consent of instructor</td>
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<tr>
<td>MPH 8022</td>
<td>Epidemiology of Infectious Disease (3 SH)</td>
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<td></td>
<td>Provides concepts involved in understanding causes, transmission, and control of infectious disease as well as policies, methods, and tools employed in surveillance, detection, investigation, control, and prevention of disease outbreaks.</td>
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<tr>
<td></td>
<td>Prerequisites: Public Health Practice (MPH 6000), Introduction to Epidemiology (MPH 6011), or consent of instructor</td>
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<tr>
<td>MPH 8023</td>
<td>Epidemiology of Cancer (3 SH)</td>
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<td></td>
<td>Study design and epidemiologic methods used in cancer epidemiology research.</td>
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<td></td>
<td>Prerequisites: Public Health Practice (MPH 6000), Introduction to Epidemiology (MPH 6011), or consent of instructor</td>
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<tr>
<td>MPH 7206</td>
<td>Nutritional Epidemiology (3 SH)</td>
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<td></td>
<td>Conduct and interpret epidemiological studies relating food and nutrition to health promotion and disease prevention focusing on dietary assessment.</td>
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<td></td>
<td>Prerequisites: Biostatistics for Health Professionals I (BIOS 7021), Research Methods (MPH 6020), or consent of instructor</td>
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<tr>
<td>MPH 7200</td>
<td>Principles of Public Health Surveillance (3 SH)</td>
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<td></td>
<td>Public health surveillance as a fundamental epidemiologic activity applied to infectious and non-infectious conditions affecting human populations.</td>
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<td></td>
<td>Prerequisites: Biostatistics for Health Professionals I (BIOS 7021), Introduction to Epidemiology (MPH 6011), or consent of instructor</td>
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<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>MPH 6025</td>
<td>Delivery of Healthcare Services (3 SH)</td>
<td>Overview of delivery and effective leadership of healthcare services.</td>
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<td><strong>Prerequisites:</strong> Public Health Practice (MPH 6000)</td>
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<tr>
<td>MPH 6040</td>
<td>Long Term Care Administration (3 SH)</td>
<td>Overview of delivery of long term care services with an emphasis on the knowledge and skills needed for effective leadership.</td>
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<td></td>
<td><strong>Prerequisites:</strong> Public Health Practice (MPH 6000), or consent of instructor</td>
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<tr>
<td>MPH 6200</td>
<td>Community Health Organization and Leadership (3 SH)</td>
<td>Leadership, community organization, planning, advocacy and communication skills for administration of community health centers and integrated health care systems.</td>
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<tr>
<td></td>
<td><strong>Prerequisites:</strong> Public Health Practice (MPH 6000), or consent of instructor</td>
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<tr>
<td>MPH 6700</td>
<td>Health Economics (3 SH)</td>
<td>Application of economic analysis tools to health decision-making at the individual-level and in health care and public health systems.</td>
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<td></td>
<td><strong>Prerequisites:</strong> ECON 2113 or equivalent.</td>
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<tr>
<td>MPH 6800</td>
<td>Health Policy and Politics (3 SH)</td>
<td>Examines the health policy formation context as a component of the environment of public health administration and practice and roles of public health and healthcare professionals.</td>
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### Community Health & Health Behavior

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<tbody>
<tr>
<td>MPH 6800</td>
<td>Planning Public Health Programs</td>
<td>3</td>
<td>Development and delivery of public health programs. Prerequisites: Behavioral Sciences and Health Education (MPH 6013)</td>
</tr>
<tr>
<td>MPH 6805</td>
<td>Evaluating Public Health Programs</td>
<td>3</td>
<td>Evaluation of public health programs, including formative, process, impact, and outcome evaluation. Prerequisites: Behavioral Sciences and Health Education (MPH 6013), Planning Public Health Programs (MPH 6600)</td>
</tr>
<tr>
<td>MPH 7031</td>
<td>Topics in Public Health</td>
<td>3</td>
<td>May be repeated up to 3 SH with change of topic. Prerequisites: Readings and discussion related to contemporary issues and emerging topics in public health. Consent of instructor.</td>
</tr>
<tr>
<td>MPH 7201</td>
<td>Introduction to Survey Methodology</td>
<td>3</td>
<td>Overview of principles and practices of population-based survey research, including methods, sampling designs, questionnaire development, sources of error, and analysis of survey data. Prerequisites: Research Methods (MPH 6020), Biostatistics for Health Professionals I (BIOS 7021), or consent of instructor.</td>
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### Capstone Courses

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<tbody>
<tr>
<td>MPH 6804</td>
<td>Introduction to Field Placement</td>
<td>1</td>
<td>Introduces the student to leaders from different healthcare entities; providing information and discussion on both field placement and career ladder opportunities in their specific health care domains. Prerequisites: Public Health Practice (MPH 6000), Ethics and Law Public Health (MPH 6002), Fundamentals of Environmental Health (MPH 6010), Introduction to Epidemiology (MPH 6011), Behavioral Sciences and Health Education (MPH 6013), Research Methods (MPH 6020), Interdisciplinary Rural Health (MPH 6036), Biostatistics for Health Professionals I (BIOS 7021); or consent of instructor.</td>
</tr>
<tr>
<td>MPH 6806</td>
<td>Applied Field Placement</td>
<td>2</td>
<td>Demonstration of academic knowledge with learned public health core competencies in professional public health practice settings. 240 hour field placement. Prerequisites: Introduction to Field Placement (MPH 6804).</td>
</tr>
<tr>
<td>MPH 6991</td>
<td>MPH Professional Paper I</td>
<td>2</td>
<td>May be repeated. Only 3 SH may count towards the degree. Includes applied learning exercise on the implementation of public health and epidemiologic research methodology. Students develop a research proposal (MPH 6991); implement their proposal, analyze their results, and write a public health research article (MPH 6992) that is ready for submission to a peer-reviewed scientific journal. Prerequisites: Public Health Practice (MPH 6000), Ethics and Law Public Health (MPH 6002), Introduction to Epidemiology (MPH 6011), Research Methods (MPH 6020) or consent of instructor.</td>
</tr>
<tr>
<td>MPH 6992</td>
<td>MPH Professional Paper II</td>
<td>1</td>
<td>May be repeated. Only 3 SH may count towards the degree. Includes applied learning exercise on the implementation of public health and epidemiologic research methodology. Students develop a research proposal (MPH 6991); implement their proposal, analyze their results, and write a public health research article (MPH 6992) that is ready for submission to a peer-reviewed scientific journal. Prerequisites: All core courses or consent of instructor.</td>
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</tbody>
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