PUBLIC HEALTH, MINOR

Liberal Arts (Code 488-401)

Advisors: K. Hansen (Management and Marketing), M. Kantor (Institute for Health Sciences), C. Pierce (Watershed Institute), L. Suppes (Watershed Institute).

Public health is an interdisciplinary field that takes a population-based approach to improving the health and well-being of people and communities by preventing disease, disability and death across populations. This field draws on the natural, quantitative, social, and behavioral sciences to study the distribution and determinants of human health and disease, and to develop interventions to preserve and promote health and well-being.

Because public health is such a broad interdisciplinary field it has wide appeal and utility. The public health minor is a natural complement to any of the health profession majors (athletic training, behavior analysis, communication sciences and disorders, environmental public health, health care administration, kinesiology, nursing, and social work). The minor augments the pre-professional curriculum of students preparing for post-baccalaureate health professions programs in chiropractic care, dentistry, medicine, occupational therapy, optometry, pharmacy, physical therapy, and veterinary medicine. In addition, the public health minor benefits those wishing to incorporate a better understanding of health in their chosen field, including majors not thought of as traditional health sciences. These majors include, but are not limited to, communication, economics, geography, journalism, management, mathematics (statistics and actuarial sciences), philosophy, political science, psychology, religious studies, and sociology.

The required core courses (9 credits) will expose students to the essential elements of public health. The elective courses (15 credits) will allow students either to align their public health minor to their major or to explore and investigate potential new areas of interest within public health.

### Required core courses (9 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENPH 115</td>
<td>Global Environmental and Public Health</td>
<td>3</td>
</tr>
<tr>
<td>ENPH 150</td>
<td>Disease Detectives: Epidemics and Data</td>
<td>3</td>
</tr>
<tr>
<td>or ENPH 450</td>
<td>Epidemiology</td>
<td></td>
</tr>
<tr>
<td>*ENPH 450 may count in either the core or elective category, but not both.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENPH/NRSG 225</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
</tbody>
</table>

### Elective courses (15 credits):

No more than six credits from any one domain and no more than six credits from any one prefix. At least nine elective credits must be at the 300-level or above.

### Administration/Policy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 310</td>
<td>Sustainable Cities</td>
</tr>
<tr>
<td>ENV 330</td>
<td>Waste &amp; Society: Energy, Food, and Efficiency</td>
</tr>
<tr>
<td>ENV/GEOG 377</td>
<td>U.S. Environmental and Sustainability Policy</td>
</tr>
<tr>
<td>ENV/GEOG 378</td>
<td>International Environmental Problems and Policy</td>
</tr>
<tr>
<td>HCAD 201</td>
<td>Overview of the U.S. Health Care System: A Policy Perspective</td>
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</tbody>
</table>

### Biomedical/Health Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL 250</td>
<td>Microbiology</td>
</tr>
<tr>
<td>BIOL 306</td>
<td>Infectious Disease Ecology</td>
</tr>
<tr>
<td>BIOL 371</td>
<td>Medical Mycology</td>
</tr>
<tr>
<td>CHEM 150</td>
<td>Survey of Biochemistry</td>
</tr>
<tr>
<td>IDIS 301</td>
<td>Exploring Mind/Body Connections</td>
</tr>
<tr>
<td>or NRSG 213</td>
<td>Body, Mind, Spirit Wellness</td>
</tr>
<tr>
<td>KINS 335</td>
<td>Introduction to School Health Education and Current Health Issues</td>
</tr>
<tr>
<td>KINS 450</td>
<td>Applied Nutrition in Kinesiology</td>
</tr>
<tr>
<td>NRSG 205</td>
<td>Integrating Knowledge for Improving Health</td>
</tr>
<tr>
<td>NRSG 211</td>
<td>Wellness: Food for Fitness</td>
</tr>
<tr>
<td>NRSG 385</td>
<td>Men's Health Issues</td>
</tr>
<tr>
<td>SW 424</td>
<td>Alcohol and Other Drug Abuse</td>
</tr>
<tr>
<td>SW 489</td>
<td>Social Work in Mental Health Settings</td>
</tr>
</tbody>
</table>

### Communications

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CJ 201</td>
<td>Introduction to Interpersonal Communication</td>
</tr>
<tr>
<td>CJ 203</td>
<td>Fundamentals of Human Communication</td>
</tr>
<tr>
<td>CJ 452</td>
<td>Health Communication</td>
</tr>
<tr>
<td>ENGL 312</td>
<td>Science Writing</td>
</tr>
<tr>
<td>ENGL 314</td>
<td>Cultural Rhetorics</td>
</tr>
<tr>
<td>ENGL 409</td>
<td>Grant Proposal Writing</td>
</tr>
<tr>
<td>NRSG 220</td>
<td>The Language of Health Care</td>
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</tbody>
</table>

### Environmental/Occupational Health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHEM 127</td>
<td>Chemistry and Climate</td>
</tr>
<tr>
<td>ENPH 110</td>
<td>Introduction to Environmental Health</td>
</tr>
<tr>
<td>ENPH 441</td>
<td>Water and Wastewater</td>
</tr>
<tr>
<td>ENPH 443</td>
<td>Microbial Safety of Food</td>
</tr>
<tr>
<td>ENPH 445</td>
<td>Hazardous and Solid Waste Management</td>
</tr>
<tr>
<td>ENPH 464</td>
<td>Occupational Safety Management</td>
</tr>
<tr>
<td>ENPH 476</td>
<td>Vector-Borne Disease Control</td>
</tr>
<tr>
<td>ENPH 490</td>
<td>Environmental Toxicology and Risk Assessment</td>
</tr>
<tr>
<td>ENV 140</td>
<td>Water Problems, Water Solutions</td>
</tr>
<tr>
<td>GEOG 178</td>
<td>Conservation of the Environment</td>
</tr>
<tr>
<td>GEOG 361</td>
<td>Environmental Hazards</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
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</tr>
<tr>
<td>SOC 301</td>
<td>Environmental Sociology</td>
</tr>
<tr>
<td>BIOL 383</td>
<td>Biostatistics</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>Quantitative Analysis</td>
</tr>
<tr>
<td>ECON 316</td>
<td>Econometrics</td>
</tr>
<tr>
<td>GEOG 335</td>
<td>Geographic Information Systems I</td>
</tr>
<tr>
<td>GEOG 337</td>
<td>Geographic Information Systems II</td>
</tr>
<tr>
<td>GEOG 370</td>
<td>Quantitative Methods in Geography</td>
</tr>
<tr>
<td>MATH 246</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>MATH 345</td>
<td>Introduction to Probability and Mathematical Statistics</td>
</tr>
<tr>
<td>MATH 346</td>
<td>Introduction to Probability</td>
</tr>
<tr>
<td>MATH 347</td>
<td>Mathematical Statistics</td>
</tr>
<tr>
<td>MATH 445</td>
<td>Survey Sampling</td>
</tr>
<tr>
<td>MATH 447</td>
<td>Nonparametric Statistics</td>
</tr>
<tr>
<td>PSYC 265</td>
<td>Statistical Methods in Psychology I</td>
</tr>
<tr>
<td>PSYC 271</td>
<td>Methods of Research in Psychology</td>
</tr>
<tr>
<td>SOC 328</td>
<td>Sociological Data Analysis</td>
</tr>
<tr>
<td>SW 323</td>
<td>Methods of Social Work Research</td>
</tr>
<tr>
<td>ANTH/AIS 161</td>
<td>Introduction to Cultural Anthropology</td>
</tr>
<tr>
<td>ECON 268</td>
<td>Environmental Economics</td>
</tr>
<tr>
<td>ECON 280</td>
<td>Health Economics</td>
</tr>
<tr>
<td>ECON 366</td>
<td>Behavioral Economics</td>
</tr>
<tr>
<td>ENPH 450</td>
<td>Epidemiology (if not taken as a core course)</td>
</tr>
<tr>
<td>GEOG 111</td>
<td>Human Geography</td>
</tr>
<tr>
<td>GEOG 369</td>
<td>Geography of Food</td>
</tr>
<tr>
<td>NRSG 389</td>
<td>Cross Cultural Health</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Ethical Reasoning</td>
</tr>
<tr>
<td>PHIL 306</td>
<td>Ethics of Health Care</td>
</tr>
<tr>
<td>PHIL 320</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>PSYC 353</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>RELS 290</td>
<td>Sacred Earth: Religion and Nature</td>
</tr>
<tr>
<td>SOC 310</td>
<td>Principles of Demography</td>
</tr>
</tbody>
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In addition, with the advisor’s consent, other courses may be allowed to count as an elective when the topic is appropriate.

Total Credits: 24