

PhD COMPETENCIES

Upon graduation, a student with a Ph.D. should be able to do the following:

| Competency | Source of Training & Evaluation |
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| 1. Locate, identify, critically evaluate, and synthesize social, behavioral, and public health research literature. | Proposal/Dissertation*** |
| 2. Explain, critique, synthesize, and elaborate major social, behavioral, and public health theories about the social determinants of health and health behavior and apply these theories to an area of research. | CHS 270 A&B Required minor courses (4)* Proposal/Dissertation** |
| 3. Review and critique in-depth both foundational and cutting-edge work in the student's specific research area, and identify avenues for new research and/or theoretical development. | Proposal** |
| 4. Demonstrate expertise in advanced research methods (including research design and implementation, data analysis, and statistics) in the social and behavioral sciences and apply these methods to conduct hypothesis-testing and/or hypothesis-generating research in the student's own area of research. | Required: methods courses (2) statistic courses (2) CHS 219 Proposal/Dissertation |
| 5. Formulate a research question on an important public health topic, design a rigorous and original empirical study to answer it, conduct that study, interpret the results, and draw conclusions. | Required: methods courses (2) statistic courses (2) CHS 219 Proposal/Dissertation |
| 6. Design and implement research that is responsive to potential concerns about research, research methods, and public health issues among diverse social groups, including cultural, racial/ethnic, national origin, linguistic, gender, sexual orientation, and community groups. | CHS 286 Proposal/Dissertation** |
| 7. Be prepared to teach a course in public health, including: develop a teaching philosophy and apply it to the originating of a syllabus and course materials, incorporate core competencies, and identify pedagogical tools for communicating information and ideas to students. | CHS 286 |
| 8. Disseminate research findings, including: prepare a scientific article suitable for a refereed journal based on an original research project, submit the article for publication, respond to critiques of journal reviewers, and take appropriate action in response to a rejection. | CHS 225 CHS 286 |
| 9. Make comprehensible and articulate presentations at national and international professional conferences and to lay audiences. | CHS 286 |
| 10. Explain the principles of research ethics and apply these principles to specific research projects, and be able to identify and resolve the specific ethical considerations likely to arise in particular research designs in the student's own area of research. | CHS 286 Proposal/Dissertation |

Evaluation of competencies to be demonstrated through course exams and papers.

* Also evaluated in the minor department's qualifying exam.

** Also evaluated in the departmental qualifying exam.

***THE DOCTORAL THESIS MUST EXHIBIT EXPERTISE IN EACH OF THE
COMPETENCIES FOR THAT DEGREE.***

