

Proposal for Dual-Degrees in Philosophy and Public Health

Indiana University School of Liberal Arts Indiana University School of Medicine

Approved by the Dept. of Public Health MPH Curriculum Committee: Jan. 2010

Goal/Objective

This proposal is for a dual-degrees program in Philosophy and Public Health at Indiana University-Purdue University Indianapolis (IUPUI). Students will elect a Philosophy concentration in either bioethics or international research ethics, and a Public Health concentration in social & behavioral science, epidemiology, or health policy & management. Students who successfully complete this program will receive a Master of Arts (MA) degree from Indiana University School of Liberal Arts and a Master of Public Health (MPH) degree from the Indiana University School of Medicine.

Relationship to Existing Programs

Currently, there are three MPH Programs in Indiana; one on the IUPUI campus, one on the IU-Bloomington campus, and one on the Purdue-West Lafayette campus. There is one terminal MA Program in Philosophy in Indiana, located on the IUPUI campus, and no other graduate program in Philosophy in Indiana which offers concentrations in either bioethics or international research ethics. A dual MA/MPH program with these concentrations on the IUPUI campus would be the only program of its kind in Indiana.

Benefits of the Program for Students, IU, and the State

Bioethics, including international research ethics, and public health are important fields of research and practice. Successful completion of this dual-degrees program will provide graduates with a unique, interdisciplinary set of skills, perspectives and abilities that will enable them to address pressing ethical and public health challenges at local, regional, national and international levels.

Beyond the foundational or “core” courses required of each program, this dual-degrees program provides a broad, culturally sensitive, community-based perspective on preventive health research and care that affects the population of diverse communities. This program will prepare students with both a theoretical and a systems approach to solving complex health issues. In particular, this dual-degrees program will provide exceptional preparation for a new PhD program in Health Policy and Management now being developed and proposed by the IU School of Medicine’s Department of Public Health.

The proposed program also reflects the more general desire among departments in

the IU School of Liberal Arts to form dual- and combined-degrees programs with various health science disciplines. In fact, the Philosophy MA curriculum already includes courses offered through other SLA departments: Anthropology, Communications Studies, History, Medical Humanities, and Sociology.

Rationale and Potential Market

The many advances in health sciences have resulted in new, complex ethical considerations for individuals, health care professionals, institutions and other relevant decision makers. Professionals in public health, prevention sciences, health sciences, the life sciences, and the social sciences have relied on the field of bioethics when dealing with controversial issues related to (1) individual vs. community rights, (2) analysis of benefits, harms, risks and costs, and (3) ethical issues in global health research. Because of the expansive breadth and depth of the courses currently offered in bioethics and public health, the IUPUI campus is ideally positioned to offer this option to learners. This collaborative program will improve the ethics and international components of the public health educational experience for all students. The close collaboration between the two departments will provide stronger interaction and research among faculty, students and alumni.

The dual-degree program will not only be targeted toward new students who may not otherwise pursue either degree alone, but will also attract students who are currently enrolled—or in the future may initially enroll—in each degree program. This is due to the fact that there is some overlap between the programs already which will enable students to simultaneously complete both degrees in a streamlined process. Combining principles of bioethics with those of public health intervention and prevention offers students the opportunity for internships and projects that incorporate aspects of both disciplines. In fact, there is a course offered through the Consortium for Health Policy, Law, and Bioethics that is team-taught by the directors of the Center for Health Policy (Eric Wright, who is also a faculty member in Public Health), Center for Law and Health (Eleanor Kinney), and Center for Bioethics (Eric Meslin). This course is listed in the MA curriculum as PHIL P696: Topics in Biomedical Ethics: Health Policy, Law, and Bioethics; it is also cross-listed with separate course numbers in both Law and SPEA.

Students will learn about ethical issues in population health practice, research and policy. For example, they will examine questions related to individual and community responsibilities during infectious disease outbreaks and man-made or natural disasters. They will consider the ethical implications of various public health practices related to human rights, domestic and international research, resource allocations, security, and genetic/health screenings, just to name a few. Other universities such as Johns Hopkins and Case Western Reserve currently offer joint programs in bioethics and public health.

Alignment with the IUPUI Campus Mission

One of the major objectives of both graduate programs is to offer students the option of interdisciplinary study on the state's health sciences campus. An interdisciplinary educational approach broadens the perspectives and skills for addressing complex issues facing public health today.

Existing Strengths:

- IU Center for Bioethics
- IU Center for Health Policy
- Regenstrief Institute
- IU-Kenya Program
- Commitment to a new School of Public Health at IUPUI

Employment Outlook

Experts in ethics and public health, as well as representatives of the government and the public health practice community have developed model curricula to meet the growing need for graduates with expertise in these areas, as demonstrated by the HRSA funded ***Ethics and Public Health: Model Curriculum*** (<http://www.asph.org/UserFiles/EthicsCurriculum.pdf>). The Association of Schools of Public Health (ASPH) estimates that 250,000 more public health workers will be needed by 2020, with rising interest in the ethical, legal, and social aspects of public health policy and practice. The public health workforce is diminishing over time (there were 50,000 fewer public health workers in 2000 than in 1980), so the demand for public health workers continues to increase. The ASPH reported that 3% of the current workforce – almost 110,000 workers – are eligible to retire by 2012. There are documented and forecasted shortages of public health physicians, public health nurses, epidemiologists, health care educators, and administrators. The ASPH estimates that universities will need to educate three times the current number over the next 12 years.

Students who pursue the MA in Philosophy with a concentration in either bioethics or international research ethics in addition to the MPH will have several employment opportunities. Some may choose to continue on to a PhD program (whether the PhD in Health Policy and Management or another program), after which they can be expected to compete for research or faculty positions. A master's degree with a concentration in bioethics, particularly in combination with an MPH degree, will be useful in several locales:

- Academic Institutions – opportunities will be available for teaching positions at colleges and universities throughout the U.S.; indeed, with plans now underway for Indiana University to establish a school of public health, we expect that some of those opportunities will occur in Indiana. Additional teaching opportunities will arise in continuing education programs

- Policy Positions – federal, state, and local offices are increasingly recognizing the need for skilled experts in ethics and public health policy. The current pandemic influenza outbreak provides ample evidence of the ethical issues arising in planning, preparedness and implementation of vaccine availability. Moreover, opportunities now exist for those with expertise in ethics and public health on hospital ethics committees), in compliance or accreditation positions (e.g., in risk management or institutional review boards). This concentration will also be useful to professionals working in legislative or other policy positions.
- NGOs, international organizations. It is likely that as public health programs continue to develop and expand throughout the world, the need will exist for individuals who have an understanding of ethical, issues in research, humanitarian intervention, science and technology programs, vaccine development, etc. Position descriptions regularly circulate from national medical research councils, philanthropic organizations, and NGOs who need persons trained in bioethics. Need currently outstrips supply. To take one recent example: a call for applications was recently made by the government of South Africa for a policy position in international research ethics, with a particular emphasis on ethics and public health.

The concentration in international research ethics (approved by the IUPUI Graduate Affairs Committee in 2009) will be useful to those responsible for international policy analysis and development, as well as those responsible for compliance at institutions engaged in international research activities. To take one recent example: a call for applications was made by the government of South Africa for a policy position in international research ethics, with a particular emphasis on ethics and public health. Given the emphasis that the supporting grant places on building international research ethics capacity, it is expected that students trained in this concentration will compete for professional positions in the U.S. or other countries and in international organizations. We expect that our students will compete for ethics teaching, research, and administrative positions in colleges/universities, national research organizations, international organizations, and NGOs. This concentration will also be useful to professionals working in legislative or other policy positions with an international focus.

Expenses

No new costs will be associated with the dual MA/MPH, as both programs currently exist on the IUPUI campus. There are costs currently associated with the Philosophy MA concentration in international research ethics insofar as students are required to spend at least part of a semester at Moi University in Eldoret, Kenya. Travel expenses are being subsidized during the first three years of the program by a grant (#R25TW006070) from the Fogarty International Center of the National Institutes of Health. An application for renewal of this grant will be submitted prior to its expiration in 2012.

Proposed Curriculum

The non-dual curriculum for each program, the proposed curriculum for the dual-degree, and examples of semester schedules for each curricular option are attached. With three concentrations in the MPH program and two in the Philosophy program, there are six curricular options for learners. All six options allow students to complete the MA and MPH degrees on a part-time or full-time basis. The number of credit hours for each course is indicated.

In keeping with the traditional approach to dual-degrees programs, there is a reduction in overall credit-hour requirements for both degrees which is facilitated in several ways:

- For the MA concentration in Bioethics:
 - P602: Public Health Internship (3 cr.) will be counted in place of PHIL P548: Clinical Ethics Practicum (3 cr.).
 - In the non-dual program, MA students may elect to complete a final concentration project (P803; 6 cr. [variable]) while MPH students must complete a final concentration project (P702, 704, 705; 3 cr.). Students in the dual-degrees program must complete *one* project which may be counted for both degrees by receiving 3 cr. under P702/704/705 and 3 cr. under PHIL P803; the 6 cr. total will be counted toward both degrees and thereby entail a 3 cr. reduction from the non-dual degree MPH required electives.
- For the MA concentration in International Research Ethics:
 - P602 (3 cr.) will be counted in place of PHIL P551: Practicum in International Research Ethics (5 cr.); however, students will still travel to Kenya to participate in practicum and research activities as designed for PHIL P551.
 - PHIL P550: Practicum Orientation (1 cr.) will count towards both degrees.
 - In the non-dual program, MA students must complete a final concentration project (PHIL G901; 2 cr.) begun during their practicum, while MPH students must complete a final concentration project (P702, 704, 705; 3 cr.). Students in the dual-degrees program must complete *one* project which may be counted for both degrees by receiving 3 cr. under P702/704/705 and 2 cr. under PHIL G901; the 5 cr. total will be counted toward both degrees and thereby entail a 3 cr. reduction from the non-dual degree MPH required electives.
- Students may also select up to 6 cr. of the following electives from either the MA or the MPH curricula (no more than 3 cr. from each) which will be counted for both degrees:

MA Electives

- LAW DN761: Law and Public Health
- LAW DN838: Bioethics and Law
- SOC R515: Sociology of Health and Illness (Cross-listed course)
- PHIL P548: Bioethics and Pragmatism
- PHIL P555: Ethical and Policy Issues in International Research
- PHIL P696: Topics in Biomedical Ethics

MPH Electives

- PBHL R515: Sociology of Health and Illness (Cross-listed course)
- PBHL P611: Policy Development, Implementation and Management
- PBHL P613: Public Health and Emergency Preparedness
- PBHL P631: Maternal, Child, and Family Health
- PBHL P632: History of Public Health

Students who participate in the dual-degrees program may thus earn both degrees with a maximum of 60 cr. as opposed to 75 cr. if the two degrees were earned separately. Students will earn a minimum of 21 cr. from courses offered as part of the MA curriculum and a minimum of 39 cr. from courses offered as part of the MPH curriculum.

Each student's final concentration project will be evaluated by a committee that includes at least one member from the MPH faculty and one member from the MA faculty.

Joint MA/MPH Degree Admissions Requirements

Applicants to the joint MA/MPH must apply and be admitted to each program separately and must adhere to the admissions requirements and prerequisite courses stipulated by each program. The student's decision to complete the joint MA/MPH degree must be declared to the MA and MPH programs before the end of the second semester of the first year in either program.

Admission Requirements to the Master of Public Health (MPH) Program

Applicants must meet the following criteria:

- (1) Baccalaureate degree from an accredited university or college with an expected 3.0 cumulative undergraduate grade point average (GPA)
- (2) Official GRE scores, if undergraduate GPA is below 3.0, of at least 1000 (with a minimum verbal score of 450 and minimum analytic writing score of 4.0)
- (3) Minimum of one year of undergraduate mathematics (e.g. algebra, statistics or finite math)
- (4) Demonstration of competent written and oral communication and computing skills
- (5) Official scores for the Test of English as a Foreign Language (TOEFL) of 106 (IBT), 263 (CBT) or 620 (PBT). An IELTS of at least 7 can substitute for the

TOEFL.

- (6) A successful interview with the MPH faculty. (The interview is required of all applicants who have earned an undergraduate degree within one year of applying to MPH Program or who hold a foreign degree. An interview can be requested of other applicants at the discretion of the MPH Admissions Committee.)

Applicants must provide the following documents:

- (7) Completed application including official transcripts, narrative statement, current resumé, and three academic/professional letters of recommendation.

Admission Requirements to the Master of Arts (MA) in Philosophy (Bioethics or International Research Ethics) Program

Applicants are expected to have a bachelor's degree from an accredited university, or its equivalent, with a grade point average of at least 3.0 overall (on a scale of 4) and at least 3.0 in the student's major. There is no specific major requirement, but applicants must show a record of coursework (or equivalent experience) demonstrating that they are sufficiently prepared to do graduate work in philosophy. Acceptable coursework includes an undergraduate degree in philosophy. Professional training or experience that involved health care ethics could be accepted in lieu of coursework. Applicants must also show an appropriate level of achievement on the Graduate Record Examination (GRE) General Test.

Application materials:

- (1) Graduate School Application form with Application Fee
- (2) Three Letters of Recommendation
- (3) Statement of Purpose
- (4) GRE Scores (LSAT or MCAT scores may be accepted in lieu of GRE)
- (5) TOEFL Scores (non-native English speakers only)
- (6) Official Transcripts
- (7) Writing Sample
- (8) Resume (strongly recommended if professionally employed)

MPH Faculty:

Silvia Bigatti, PhD	Associate Professor
David Everetts, MD, MPH	Assistant Professor
Chunyan He, ScD	Assistant Professor
Lisa Hess, PhD	Assistant Professor
Stephen Jay, MD	Professor
Carole Kacius, PhD	Associate Professor
Nan Rong, PhD, MPH	Assistant Professor
Greg Steele, DrPH, MPH	Associate Professor
Cindy Stone, DrPH, RN	Associate Professor
G. Marie Swanson, PhD, MPH	Professor and Chair

Nancy Swigonski, MD, MPH	Associate Professor
Greg Wilson, MD	Professor
Eric Wright, PhD	Professor
Jianjun Zhang, MD, PhD	Assistant Professor
Shaoyu Zhou, PhD	Assistant Research Professor
Terrell Zollinger, DrPH, MSPH	Professor

MA in Philosophy Faculty (Bioethics and Intl. Research Ethics Concentrations):

Peg Brand, PhD	Associate Professor
Paula Braitstein, PhD	Assistant Professor
Cornelis de Waal, PhD	Associate Professor
Jeanette Dickerson-Putman, PhD	Associate Professor
Jennifer Drobac, JD, JSD	Professor
Jason T. Eberl, PhD	Associate Professor
Rose Fife, MD	Professor
William Gronfein, PhD	Associate Professor
Richard Gunderman, PhD, MD	Professor
Paul Helft, MD	Associate Professor
John L. Hill, JD, PhD	Professor
Eleanor D. Kinney, JD, MPH	Professor
Kurt Kroenke, MD	Professor
Timothy D. Lyons, PhD	Associate Professor
Eric M. Meslin, PhD	Professor
Daphne Muzoora, MA, MS, MBChB	Adjunct Faculty
David Orentlicher, MD, JD	Professor
Scott Pegg, PhD	Associate Professor
Ursula Niklas Peterson, PhD	Associate Professor
Kimberly A. Quaid, PhD	Professor
William H. Schneider, PhD	Professor
Peter H. Schwartz, MD, PhD	Assistant Professor
John Sidle, MD	Assistant Professor
William Tierney, MD	Professor
John Tilley, PhD	Professor and Chair
Richard Ward, PhD	Professor
Kara Wools-Kaloustian, MD	Assistant Professor
Constantin Yiannoutsos, PhD	Associate Professor

Sample Three-Year Curriculum: MA (Bioethics) / MPH (Social & Behavioral Science)

<p>Semester 1 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P500 Social & Behavioral in Public Health (3 cr.) ❖ PBHL P504 U.S. Health Care Systems & Health Policy (3 cr.) ❖ PBHL P517 Fund. of Epidemiology (3 cr.) ❖ PHIL P540 Contemporary Ethical Theories (3 cr.) 	<p>Semester 2 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P519 Environmental Science in PH (3 cr.) ❖ PBHL P551 Biostatistics for PH I (3 cr.) ❖ PHIL P547 Foundations of Bioethics (3 cr.) ❖ PHIL P553 Philosophy of Science (3 cr.)
<p>Semester 3 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL C501 Program Planning in Public Health (3 cr.) ❖ PBHL P617 Health Promotion and Disease Prevention (3 cr.) ❖ PBHL S658 Methods of Research on Social & Behavioral Dimensions of Public Health (3 cr.) ❖ MHHS M504 Intro. to Research Ethics (3 cr.) 	<p>Semester 4 (9 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P602 Public Health Internship (3 cr.) ❖ PHIL P555 Ethical and Policy Issues in International Research (3 cr.) ❖ PHIL P696 Topics in Biomedical Ethics (3 cr.)
<p>Semester 5 (9 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P600 Epidemiological Research Methods (3 cr.) ❖ PBHL P609 Infectious Disease Epidemiology (3 cr.) ❖ SOC R515 Sociology of Health and Illness (3 cr.) 	<p>Semester 6 (6 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P702 Social and Behavioral Science Concentration Project (3 cr.) ❖ PHIL P803 Research Project (3 cr.)

xxxx Philosophy MA courses

xxxx Public Health MPH courses

xxx Required courses which count toward both degrees

xxxx Required or elective courses which count toward both degrees (limit 6 cr.; no more than 3 cr. from each degree may count towards the other)

Sample Three-Year Curriculum: MA (Bioethics) / MPH (Epidemiology)

<p>Semester 1 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P500 Social & Behavioral in Public Health (3 cr.) ❖ PBHL P504 U.S. Health Care Systems & Health Policy (3 cr.) ❖ PBHL P517 Fund. of Epidemiology (3 cr.) ❖ PHIL P540 Contemporary Ethical Theories (3 cr.) 	<p>Semester 2 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P519 Environmental Science in PH (3 cr.) ❖ PBHL P551 Biostatistics for PH I (3 cr.) ❖ PHIL P547 Foundations of Bioethics (3 cr.) ❖ PHIL P553 Philosophy of Science (3 cr.)
<p>Semester 3 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P600 Epidemiological Research Methods (3 cr.) ❖ PBHL P601 Advanced Epidemiology (3 cr.) ❖ PBHL P652 Biostatistics for PH II (3 cr.) ❖ MHHS M504 Intro. to Research Ethics (3 cr.) 	<p>Semester 4 (9 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P602 Public Health Internship (3 cr.) ❖ PBHL P631 Maternal, Child, Family Health (3cr.) ❖ PHIL P555 Ethical and Policy Issues in International Research (3 cr.)
<p>Semester 5 (9 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P610 Chronic Disease Epidemiology (3 cr.) ❖ PBHL P609 Infectious Disease Epidemiology (3 cr.) ❖ PHIL P600 Topics in Philosophy: Phil. of Medicine (3 cr.) 	<p>Semester 6 (6 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P704 Epidemiology Concentration Project (3 cr.) ❖ PHIL P803 Research Project (3 cr.)

xxxx Philosophy MA courses

xxxx Public Health MPH courses

xxxx Required courses which count toward both degrees

xxxx Required or elective courses which count toward both degrees (limit 6 cr.; no more than 3 cr. from each degree may count towards the other)

Sample Three-Year Curriculum: MA (Bioethics) / MPH (Health Policy & Management)

<p>Semester 1 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P500 Social & Behavioral in Public Health (3 cr.) ❖ PBHL P504 U.S. Health Care Systems & Health Policy (3 cr.) ❖ PBHL P517 Fund. of Epidemiology (3 cr.) ❖ PHIL P540 Contemporary Ethical Theories (3 cr.) 	<p>Semester 2 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P519 Environmental Science in PH (3 cr.) ❖ PBHL P551 Biostatistics for PH I (3 cr.) ❖ PHIL P547 Foundations of Bioethics (3 cr.) ❖ PHIL P553 Philosophy of Science (3 cr.)
<p>Semester 3 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P611 Policy Development, Implementation, Management (3 cr.) ❖ PBHL P616 Strategic Planning for Health Services Orgs. (3 cr.) ❖ PBHL P658 Methods of Health Service & Policy Research (3 cr.) ❖ MHHS M504 Intro. to Research Ethics (3 cr.) 	<p>Semester 4 (9 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P602 Public Health Internship (3 cr.) ❖ PHIL P555 Ethical and Policy Issues in International Research (3 cr.) ❖ PHIL P696 Topics in Biomedical Ethics (3 cr.)
<p>Semester 5 (9 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P619 Health Econ. for PH Professionals (3 cr.) ❖ PBHL P609 Infectious Disease Epidemiology (3 cr.) ❖ PBHL P612 Health Outcomes Research (3 cr.) 	<p>Semester 6 (6 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P705 Health Policy/Management Concentration Project (3 cr.) ❖ PHIL P803 Research Project (3 cr.)

- xxxx Philosophy MA courses
- xxxx Public Health MPH courses
- xxxx Required courses which count toward both degrees
- xxxx Required or elective courses which count toward both degrees (limit 6 cr.; no more than 3 cr. from each degree may count towards the other)

Sample Three-Year Curriculum: MA (International Research Ethics) / MPH (Social & Behavioral Science)

<p>Semester 1 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P500 Social & Behavioral in Public Health (3 cr.) ❖ PBHL P504 U.S. Health Care Systems & Health Policy (3 cr.) ❖ PBHL P517 Fund. of Epidemiology (3 cr.) ❖ PHIL P540 Contemporary Ethical Theories (3 cr.) 	<p>Semester 2 (13 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P519 Environmental Science in PH (3 cr.) ❖ PBHL P551 Biostatistics for PH I (3 cr.) ❖ PBHL P609 Infectious Disease Epidemiology (3 cr.) ❖ PHIL P547 Foundations of Bioethics (3 cr.) ❖ MHHS M510 African Culture and Health Issues (1 cr.)
<p>Semester 3 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL C501 Program Planning in Public Health (3 cr.) ❖ PBHL P617 Health Promotion and Disease Prevention (3 cr.) ❖ PBHL S658 Methods of Research on Social & Behavioral Dimensions of Public Health (3 cr.) ❖ MHHS M504 Intro. to Research Ethics (3 cr.) 	<p>Semester 4 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P600 Epidemiological Research Methods (3 cr.) ❖ PHIL P555 Ethical and Policy Issues in International Research (3 cr.) ❖ LAW DN838 Bioethics and Law (2 cr.) ❖ PHIL P696 Topics in Biomedical Ethics (3 cr.) ❖ PHIL P550 Practicum Orientation (1 cr.)
<p>Semester 5 (3 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P602 Public Health Internship (3 cr.) 	<p>Semester 6 (8 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P702 Social and Behavioral Science Concentration Project (3 cr.) ❖ PHIL G901 IU-Moi AREP Capstone (2 cr.) ❖ SOC R515 Sociology of Health and Illness (3 cr.)

- xxxx Philosophy MA courses
- xxxx Public Health MPH courses
- xxxx Required courses which count toward both degrees
- xxxx Required or elective courses which count toward both degrees (limit 6 cr.; no more than 3 cr. from each degree may count towards the other)

Sample Three-Year Curriculum: MA (International Research Ethics) / MPH (Epidemiology)

<p>Semester 1 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P500 Social & Behavioral in Public Health (3 cr.) ❖ PBHL P504 U.S. Health Care Systems & Health Policy (3 cr.) ❖ PBHL P517 Fund. of Epidemiology (3 cr.) ❖ PHIL P540 Contemporary Ethical Theories (3 cr.) 	<p>Semester 2 (13 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P519 Environmental Science in PH (3 cr.) ❖ PBHL P551 Biostatistics for PH I (3 cr.) ❖ PBHL P609 Infectious Disease Epidemiology (3 cr.) ❖ PHIL P547 Foundations of Bioethics (3 cr.) ❖ MHHS M510 African Culture and Health Issues (1 cr.)
<p>Semester 3 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P600 Epidemiological Research Methods (3 cr.) ❖ PBHL P601 Advanced Epidemiology (3 cr.) ❖ PBHL P652 Biostatistics for PH II (3 cr.) ❖ MHHS M504 Intro. to Research Ethics (3 cr.) 	<p>Semester 4 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P610 Chronic Disease Epidemiology (3 cr.) ❖ PBHL P632 History of Public Health (3cr.) ❖ PHIL P555 Ethical and Policy Issues in International Research (3 cr.) ❖ LAW DN838 Bioethics and Law (2 cr.) ❖ PHIL P550 Practicum Orientation (1 cr.)
<p>Semester 5 (3 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P602 Public Health Internship (3 cr.) 	<p>Semester 6 (8 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P704 Epidemiology Concentration Project (3 cr.) ❖ PHIL G901 IU-Moi AREP Capstone (2 cr.) ❖ PHIL P600 Topics in Phil.: Phil. of Medicine (3 cr.)

- xxxx Philosophy MA courses
- xxxx Public Health MPH courses
- xxxx Required courses which count toward both degrees
- xxxx Required or elective courses which count toward both degrees (limit 6 cr.; no more than 3 cr. from each degree may count towards the other)

Sample Three-Year Curriculum: MA (International Research Ethics) / MPH (Health Policy & Management)

<p>Semester 1 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P500 Social & Behavioral in Public Health (3 cr.) ❖ PBHL P504 U.S. Health Care Systems & Health Policy (3 cr.) ❖ PBHL P517 Fund. of Epidemiology (3 cr.) ❖ PHIL P540 Contemporary Ethical Theories (3 cr.) 	<p>Semester 2 (13 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P519 Environmental Science in PH (3 cr.) ❖ PBHL P551 Biostatistics for PH I (3 cr.) ❖ PBHL P619 Health Econ. for PH Professionals (3 cr.) ❖ PHIL P547 Foundations of Bioethics (3 cr.) ❖ MHHS M510 African Culture and Health Issues (1 cr.)
<p>Semester 3 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P611 Policy Development, Implementation, Management (3 cr.) ❖ PBHL P616 Strategic Planning for Health Services Orgs. (3 cr.) ❖ PBHL P658 Methods of Health Service & Policy Research (3 cr.) ❖ MHHS M504 Intro. to Research Ethics (3 cr.) 	<p>Semester 4 (12 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P609 Infectious Disease Epidemiology (3 cr.) ❖ PHIL P555 Ethical and Policy Issues in International Research (3 cr.) ❖ LAW DN838 Bioethics and Law (2 cr.) ❖ PHIL P696 Topics in Biomedical Ethics (3 cr.) ❖ PHIL P550 Practicum Orientation (1 cr.)
<p>Semester 5 (3 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P602 Public Health Internship (3 cr.) 	<p>Semester 6 (8 cr.)</p> <ul style="list-style-type: none"> ❖ PBHL P705 Health Policy/Management Concentration Project (3 cr.) ❖ PHIL G901 IU-Moi AREP Capstone (2 cr.) ❖ PBHL P612 Health Outcomes Research (3 cr.)

- xxxx Philosophy MA courses
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- xxxx Required courses which count toward both degrees
- xxxx Required or elective courses which count toward both degrees (limit 6 cr.; no more than 3 cr. from each degree may count towards the other)