To: Medical students interested in the UC Berkeley/UCSF MD-MPH Program

From: Hajra Ahmed (hajra.ahmed@ucsf.edu), on behalf of:

Dr. Paula Braveman
MD-MPH Program Director
Department of Family & Community Medicine, UCSF

Re: BASIC INFORMATION PACKET

This packet contains:

(1) Contact information
(2) Timeline for the application process
(3) Additional information about the application process
(4) Requirements for specific areas of concentration
(5) Sample required course work for each program

Please note: Important additional information is on the UC Berkeley School of Public Health website (http://sph.berkeley.edu) and Course Catalog.
MD-MPH Program Contact Information

**UCSF Faculty and Staff:**

Dr. Paula Braveman, Program Director  
(415) 476-6839  
braveman@fcm.ucsf.edu

Hajra Ahmed, Program & Research Asst.  
(415) 476-6839  
haobrahmed@ucsf.edu

Dr. Susan Masters, Associate Dean  
(415) 476-2346  
susan.masters@ucsf.edu

Liana Crosby  
(415) 476-2346  
CrosbyL@medsch.ucsf.edu

UME Operations and Project Manager

(415) 476-1217  
mooreLJ@medschool.ucsf.edu

Cha Viloria, UME Advisor/Specialist  
(415) 476-8084  
Cha.Viloria@ucsf.edu

**UC Berkeley SPH contacts**

**Environmental Health Sciences**

Norma Firestone  
ehs_div@berkeley.edu

**Epidemiology**

Janene Martinez  
jcarolm@calmail.berkeley.edu

**Health Policy & Management**

Kim MacPherson  
kmacpherson@berkeley.edu

**Interdisciplinary**

Laura Spautz  
lspautz@berkeley.edu

**Maternal & Child Health**

Kathryn Jerman  
kate.jerman@berkeley.edu
MD-MPH Application Process:
2014 Provisional Timeline

October:

- **Attend an informational meeting held by Dr. Paula Braveman:** Learn about the program, including its impact on your 4th–5th year curriculum. If possible, attend the first meeting to give yourself more time to meet the deadlines. Please RSVP to Dr. Braveman’s assistant at hajra.ahmed@ucsf.edu with which meeting you plan to attend:
  
  | Location:       | MU East 314/316  |
  | Time:           | 5:30–7:30 PM     |
  | Date:           | Wed. October 8, 2014, or Tues. October 14, 2014 |

- **Schedule a phone (or in-person) meeting with Dr. Braveman** through her assistant. She will help you decide whether the MD-MPH is a good choice for you in light of your overall career goals and which concentration area is best for you.

Immediately:

- **Confirm your intent to apply** by emailing LJ Moore at moorelj@medsch.ucsf.edu

- **Order MCAT scores and academic transcripts:** Order one set of MCAT scores from https://services.aamc.org/mcatthx/ or by phone at 202-828-0690 and one set of transcripts from all colleges and universities attended, including UCSF. These should be sent directly to SOPHAS (Schools and Programs of Public Health), the agency that coordinates applications to almost all schools of public health in the U.S.

No later than November 17th, 2014:

- **Meet with Cha Viloria and Dean Masters** in order to plan how the MPH will fit into your UCSF curriculum, and to enable the Dean to better tailor the recommendation letter she will write for you – one of three required for application to UC Berkeley. Please contact Liana Crosby to schedule an appointment.

- **Request letter of recommendation from Dean Masters** by providing LJ Moore with a copy of: 1) your CV; 2) your draft essay; and 3) the “letter of support” request form, found at: http://meded.ucsf.edu/sites/meded.ucsf.edu/files/documents/undergraduate-medical-education/somletterofsupport.pdf
  
  - Please be sure to indicate on this form ALL schools/MPH programs you plan to apply to, even those you are not requesting a letter of support for.
By mid-November:

UC Berkeley recommends submitting both your SOPHAS and UC Berkeley Graduate Division application by mid-November in order to avoid any potential technical errors that would cause you to miss the application deadline, which is **December 1st, 2014 (11:59 PM, PST)**.

Dual submission process:

- **Complete and submit your application through SOPHAS**
  - Including contact info for 3 references – one of whom will be Dean Masters
  - SOPHAS can be reached at 617-612-2090 for assistance.

- **Complete and submit a UC Berkeley graduate school application as well:**
  - [https://gradadmit.berkeley.edu/apply/start.html](https://gradadmit.berkeley.edu/apply/start.html)

Helpful information from UCB SPH regarding these two applications is available here*:
  - [http://sph.berkeley.edu/admissions/requirements](http://sph.berkeley.edu/admissions/requirements)

*Please note that there are a few differences in the application process for UCSF medical school students applying to the UC Berkeley/UCSF MD-MPH program compared to non-UCSF candidates:

- **Taking the GRE is not necessary for MD-MPH applicants from UCSF; MCAT scores are accepted instead.**

- **While you do need official transcripts for your SOPHAS application, you can upload an unofficial one when completing the UCB graduate application. Berkeley will require official transcripts only if you decide to matriculate.**

- **UCB will waive the application fee for UCSF applicants, but you need to do the following** [follow these directions rather than using the on-line waiver form]:
  - Choose MPH/MD as your program on the application
  - When you get to payment section, you must choose “Apply for fee waiver.” There will be no actual paperwork to fill out – the waiver will be applied behind the scenes.
Requirements for Specific Concentration Areas*

There are five different tracks for the 11-month MD-MPH program, from which you must select one. These are: Environmental Health Sciences (EHS), Epidemiology, Health Policy and Management (HPM), Interdisciplinary, and Maternal and Child Health (MCH). Below are brief descriptions of each, excerpted from materials that UC Berkeley provides.

*Please note the special requirements for statements of purpose for applying to MCH and HPM.

1. Environmental Health Sciences

Curriculum & Requirements (sample curriculum attached)

The 11-month MPH program in environmental health sciences requires 42 units with courses selected from public health, epidemiology, biostatistics and statistics, risk and exposure assessment, policy, regulation, and toxicology.

The MPH program requires a comprehensive examination consisting of written and oral components covering subject matter in the core courses. The comprehensive examination is given during the student's last semester of attendance (usually at the beginning of April). The basic purpose of the examination is to inquire into the student's ability to synthesize the various components of the required subject matter as they apply to environmental health problems encountered in the real world.

What we look for in competitive applicants:

Applicants must hold a PhD or doctoral level clinical degree and should have completed undergraduate and graduate work in calculus, chemistry, and biology. Common undergraduate majors for admitted applicants include chemistry, biology, microbiology, molecular biology, nutrition, ecology, public health, and environmental science.

2. Epidemiology

Curriculum & Requirements (sample curriculum attached)

The 11-month MPH program in epidemiology requires 42 units of coursework in public health and advanced epidemiologic and biostatistical methods. A master's paper is required for completion of the program.

What we look for in competitive applicants:

Applicants must be doctoral level health professionals (e.g. physicians, veterinarians, and dentists), have a prior doctoral degree in a related discipline (e.g. anthropology, sociology, psychology, demography, the biology sciences), or be concurrently enrolled in a doctoral level degree program in a health profession or related discipline. Common work experience for admitted applicants includes medical doctor, dentist, pharmacist, veterinarian, and/or research experience in a public health setting.
3. Health Policy & Management

Curriculum & Requirements (sample curriculum attached)

The 11-month MPH option is available to doctoral-level clinical students or students with doctoral-level clinical degrees (such as physicians, pharmacists, or dentists). The 42-unit course of study runs from July through May and consists of courses selected from public health, policy, economics, finance, marketing, management, and law. The degree includes a year-long practicum requirement that can be worth up to 5 units.

What we look for in competitive applicants:

Factors emphasized in the selection of students include academic achievement and potential, paid or voluntary health-related work experience, letters of support, and promise of professional leadership. Evidence of the ability to successfully complete graduate-level studies is indicated by an applicant's scholastic record, aptitude test scores, and appropriateness of academic preparation.

The Health Policy & Management Program asks that you address the following in your statement of purpose:

- Why do you want an MPH?
- Why do you want to do your graduate at this point in your career/academic development?
- Why you are interested in health policy and management, including some discussion of your previous interest or involvement in management and/or policy-related activities. (Note that you do not need to restate your full resume as the committee will have that available to review.)
- How will the Health Policy and Management MPH degree and the graduate studies experience contribute to your short and long term career goals?
- Why do you want to pursue these graduate studies at the UC Berkeley School of Public Health?

Of your three letters of recommendation, at least one should be from someone who knows your academic potential (a former professor or someone who can discuss your intellectual abilities) and one from someone who knows your management, policy analysis, or planning potential (such as a former employer).

- Common undergraduate majors for admitted applicants: Health Policy & Management considers applicants from a range of undergraduate majors
- Common work experience for admitted applicants: Most applicants to the 11-month track are full time students or clinicians operating in an academic, research or practice environment
4. Maternal & Child Health

Curriculum & Requirements (sample curriculum attached)

The 11-month MPH program in Maternal & Child Health trains health professionals including pediatricians, obstetricians, qualified nurses and social workers, and other qualified health professionals. The 11-month option is designed to train current health professionals with significant experience in the maternal and child health field. Students are required to complete a six-week full-time field placement (May-June) in a public health agency or similar setting. A comprehensive exam and capstone research project is required for completion of the program.

What we look for in competitive applicants:

Applicants to this program must have a prior master's or doctoral degree or be currently enrolled medical students, and should have a background in working in the health related field particularly with women, children, and families. We strongly recommend that all applicants review the MCH Program’s curricula and related materials prior to completing an application. For more information on the MCH Program, please visit our website accessible from http://sph.berkeley.edu

The MCH Program asks that you address the following in your statement of purpose:

The Statement of Purpose (attach to SOPHAS Application and Form F of the Graduate Application) should be concise and should not exceed two pages. All applicants should address the following:

- Why you are interested in the Maternal and Child Health field? Please mention any specific areas of interest within the MCH field (e.g., reproductive health, women’s health, adolescent health, international MCH, etc.).

- What are your educational goals? Specifically, what skills, knowledge, and experience do you hope to gain through your Maternal and Child Health-Public Health studies?

- Why have you applied to the UC Berkeley Maternal & Child Health Program in particular? Please note any aspects of our curriculum and training that are of particular interest to you, and mention any specific faculty members or research projects that interest you.

- What are your career goals related to Maternal & Child Health? How will an MPH degree in Maternal and Child Health assist you in meeting those goals?

- If applicable, please describe any significant disadvantages or obstacles you have overcome.

- Please list any relevant quantitative or Maternal Child and Family Health-related course work that you have completed (i.e. courses in statistics, calculus, research methods, as well as behavioral sciences and policy studies).

- Please indicate how you anticipate using the MCH research and analytic skills emphasized in our curriculum to meet your career objectives.
5. Interdisciplinary

The Interdisciplinary MPH is an accelerated, 11-month program designed to meet the needs of mature scholars with diverse cultural and professional backgrounds who have specific public health career goals in mind. The program focuses on an interdisciplinary understanding of complex issues and the leadership challenges of successful interventions in public health. Graduates leave as well-rounded public health professionals with a heightened understanding of the importance of a multidisciplinary approach to public health practice.

Curriculum & Requirements (sample curriculum attached)

Students in the 11-month Interdisciplinary MPH program, which runs from July to May, are required to complete 42 semester units of course credit. Students take a heavy course load (17-19 units per semester), in addition to one or two summer courses (4-8 units) to satisfy the 42-unit requirement. Consequently, students should not plan to work during the fall and spring semesters, and should make every effort to minimize work-related responsibilities while at school. The program’s curricular flexibility allows students, in consultation with their faculty advisers, to develop an individualized course of study tailored to meet their career objectives. Beyond the required courses within the School of Public Health, electives may be chosen from any of the academic offerings across the Berkeley campus. A year-long, mentored MPH project is required for completion of the program.

What we look for in competitive applicants:

Successful applicants are professionals holding a master’s degree or its academic equivalent, with a demonstrated ability to work both independently and within a team-based structure. While many successful applicants are already health professionals, applicants from disciplines not traditionally associated with public health are also encouraged to apply. The program is also appropriate for dual-degree students completing an MPH in conjunction with an MD, MSW, MPP, or other graduate degree. Medical students from Stanford and UCSF should consult their dual degree liaisons for details on our inter-campus collaboration.
The one year MPH curriculum in epidemiology is offered to doctoral level health professionals (e.g. physicians, veterinarians, and dentists); individuals with a prior doctoral degree in a related discipline (e.g. anthropology, sociology, psychology, demography, the biology sciences); and individuals concurrently enrolled in a doctoral level degree program in a health profession or related discipline. The one year MPH curriculum in epidemiology is an intensive, full-time course of study extending over eleven months (July to May) and requiring enrollment during the summer, fall, and spring. In addition to completing required schoolwide breadth courses in public health, students are required to complete advanced coursework in epidemiologic and biostatistical methods, and electives in epidemiology. Students are also required to write a Master’s paper on an epidemiologic topic previously approved by and under the supervision of the faculty and to present and defend their Masters paper during a required oral examination in the spring semester prior to graduation. A sample curriculum for the 42 unit one year MPH in epidemiology is given below:

**Sample Curriculum**

**Summer Session (July-August)**

- PH 141 Introduction to Biostatistics: 5 units
- PH 299 Independent Study in Preparation for the Masters paper: 3 units

*Total: 8 units*

**Fall Semester**

- PH 250B Epidemiologic Methods II: 4 units
- PH 245 Introduction to Multivariate Public Health Statistics: 4 units
- PH 200C Public Health Breadth Course: 3 units
- PH292(7) Epidemiology Seminar: 2 units
- PH 299 Individual Research: 1 unit
- Epidemiology Elective: 2 units

*Total: 16 units*

**Spring Semester**

- PH 241 Statistical Analysis of Categorical Data: 4 units
- PH 299 Individual Research: 2 units
- PH 250C Epidemiologic Theory and/or Epidemiology Electives: 5 units

*Total: 14 units*

Credit for prior coursework in a doctoral level academic program: 4 units

*Total Units: 42 units*
The eleven-month option is available to doctoral-level clinical students or students with doctoral-level clinical degrees (such as physicians or dentists). This 42-unit course of study runs from July through May, and includes a practicum completed over the Fall and Spring Semesters. Eleven-month students are exempt from the field placement and PH 291A.

**School-wide Requirements (12 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 141</td>
<td>Introduction to Biostatistics</td>
<td>Summer 5 units</td>
</tr>
<tr>
<td>PH 200C 2 &amp; 3</td>
<td>Public Health Core Breadth Seminars</td>
<td>Fall/Spring 4 units</td>
</tr>
<tr>
<td>PH 250A</td>
<td>Epidemiologic Methods I</td>
<td>Summer 3 units</td>
</tr>
</tbody>
</table>

**HPM Program Required Courses (21 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 220</td>
<td>Health Policy Decision-Making</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 223D</td>
<td>Foundations of Health Policy and Management</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 223E</td>
<td>Capstone in Health Policy and Management</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 225</td>
<td>Legal Basis for Health</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 227A</td>
<td>Health Care Finance</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 126</td>
<td>Health Care Economics</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 231A</td>
<td>Analytic Methods for Health Policy and Management</td>
<td>Spring</td>
</tr>
</tbody>
</table>

*One of the two following courses:*

- PH 223C Strategic Management and the Organization of Health Services | Spring 3 units
- PH 224A Health Care Organizations and Management | Spring 3 units

**HPM Practicum**

- Fall 1-5 units

**Additional elective units (variable units)**

- Fall/Spring

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**HPM Eleven-Month Example Schedule**

**Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 141</td>
<td>Introduction to Biostatistics</td>
<td>5 units</td>
</tr>
<tr>
<td>PH 250A</td>
<td>Epidemiologic Methods I</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 200C 2</td>
<td>Public Health Core Breadth Seminar</td>
<td>2 units</td>
</tr>
<tr>
<td>PH 220</td>
<td>Health Policy Decision-Making</td>
<td>3 units</td>
</tr>
<tr>
<td>PH 223D</td>
<td>Foundations of Health Policy and Management</td>
<td>2 units</td>
</tr>
<tr>
<td>PH 229</td>
<td>Public Health and the Law</td>
<td>3 units</td>
</tr>
<tr>
<td>PH 299</td>
<td>Practicum</td>
<td>1-5 units</td>
</tr>
<tr>
<td>XXX</td>
<td>Electives</td>
<td>X units</td>
</tr>
</tbody>
</table>

**Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 200C 3</td>
<td>Public Health Core Breadth Seminar</td>
<td>2 units</td>
</tr>
<tr>
<td>PH 223C</td>
<td>Strategic Management and the Organization of Health Services</td>
<td>3 units</td>
</tr>
<tr>
<td>PH 223E</td>
<td>Capstone Seminar in Health Policy and Management</td>
<td>2 units</td>
</tr>
<tr>
<td>PH 224A</td>
<td>Health Care Organizations and Management</td>
<td>3 units</td>
</tr>
<tr>
<td>PH 126A</td>
<td>Health Care Economics</td>
<td>3 units</td>
</tr>
<tr>
<td>PH 231A</td>
<td>Analytic Methods for Health Policy and Management</td>
<td>3 units</td>
</tr>
<tr>
<td>XXX</td>
<td>Electives</td>
<td>X units</td>
</tr>
</tbody>
</table>

1 PH 223C or PH 224A fulfill the same requirement. You may take both, and count one as an elective.
Electives (for all HPM degree tracks)

Electives may be chosen from anywhere in the school or university, but are to be approved by your academic advisor. Please check each semester for new courses and for course availability. The following electives are recommended in the areas of management and/or policy -- you may wish to favor either one or balance the two.

Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 205</td>
<td>Program Planning, Development and Evaluation</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 223C</td>
<td>Strategic Management and the Organization of Health Services</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 224A</td>
<td>Health Care Organizations and Management</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 243C</td>
<td>Information Systems in Public Health</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 225</td>
<td>Legal Basis for Health</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 290</td>
<td>Health Care Quality: Measurement and Improvement</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 290</td>
<td>Leadership for Public Health Professionals</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 223F</td>
<td>Effective Public Health Negotiations</td>
<td>Spring</td>
</tr>
<tr>
<td>PP 269</td>
<td>Public Budgeting</td>
<td>Fall</td>
</tr>
<tr>
<td>MBA 209F</td>
<td>Fundamentals of Business</td>
<td>Spring</td>
</tr>
<tr>
<td>MBA 296</td>
<td>Innovations in Health Care</td>
<td>Spring</td>
</tr>
</tbody>
</table>

Policy

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 220D</td>
<td>Health Policy Advocacy</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 220E</td>
<td>Global Health Policy</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 220F</td>
<td>Healthcare Workforce and Public Policy</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td>(alt w/226D)</td>
<td></td>
</tr>
<tr>
<td>PH 220G</td>
<td>Environmental Health Policy</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 221</td>
<td>Mental Health Policies, Programs and Services</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 221B</td>
<td>Understanding and Overcoming Health Care Disparities</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 222A</td>
<td>Health Care Technology Policy</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 223A</td>
<td>Introduction to the Health Care System</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 226C</td>
<td>Public Health and the Economy</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 226D</td>
<td>Global Health Economics</td>
<td>Fall</td>
</tr>
<tr>
<td>PH 271E</td>
<td>Science and Policy for Health and Environment</td>
<td>Spring</td>
</tr>
<tr>
<td>PH 290</td>
<td>Politics, Policy and Practice in Public Health</td>
<td>Spring</td>
</tr>
</tbody>
</table>

Comprehensive Examination

The comprehensive examination is a School-wide requirement completed in the Spring Semester with written and oral components. Students prepare for and complete this requirement in the Capstone Seminar in Health Policy and Management. Projects typically take the form of a policy analysis/evaluation, a strategic plan, or a business plan. For the plans, students are expected to work with a client organization.
The curriculum for the Interdisciplinary MPH program is an intensive, full-time course. The 42-unit program requires completion of at least 17 units of coursework in each of the fall and spring semesters. In order to meet the 42-unit requirement, students are also expected to enroll in the summer session prior to the Fall semester in which they enter the program. Up to four units from previously completed graduate coursework may also be applied towards the 42 units, subject to rules for transfer units and approval from the Graduate Division. Curricular requirements are summarized below.

The one-year program also requires completion of a scholarly project (this is an MPH Project, not a thesis). Projects may take a variety of forms including: research studies, needs assessments, program evaluations, or policy analyses. Projects are presented at the end of the Spring semester in written and oral formats, and fulfill the School of Public Health Comprehensive Exam requirement.

**Bolded type denotes courses that are required by the School of Public Health and the Interdisciplinary MPH Program**

**Epidemiology**: There are several ways to satisfy the Epidemiology requirement:
1. Take PH 250A (Epidemiological Methods I) in the Summer or Fall
2. Take and pass the epidemiology exemption exam at the beginning of the Fall semester
3. Take PH 250B (Epidemiological Methods II) in the Fall

**Biostatistics**: There are also several ways to satisfy the Biostatistics requirement:
1. Take PH 141 (Intro to Biostatistics) in the Summer
2. Take PH 142 (Intro to Biostatistics) in the Fall
3. Take PH 245 (Intro to Multivariate Statistics) in the Fall
4. Take PH 252 (Epidemiological Analysis) in the Spring
5. Take and pass the Biostatistics exemption exam before the Fall semester begins

**Please note that passing the exemption exam does NOT confer academic units. You will still need to complete 42 units to graduate.**

**Recommended Interdisciplinary Course Selection:**

<table>
<thead>
<tr>
<th>SUMMER SEMESTER</th>
<th>FALL SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 250A</td>
<td>Epidemiological Methods</td>
</tr>
<tr>
<td>PH 141</td>
<td>Introduction to Biostatistics</td>
</tr>
<tr>
<td></td>
<td>PH 142</td>
</tr>
<tr>
<td></td>
<td>PH 200C-1</td>
</tr>
<tr>
<td></td>
<td>PH 200C-2</td>
</tr>
<tr>
<td></td>
<td>PH 292-12</td>
</tr>
<tr>
<td></td>
<td>PH 250A</td>
</tr>
<tr>
<td>or PH 250B</td>
<td>Epidemiologic Methods II</td>
</tr>
<tr>
<td></td>
<td>(Note: PH 250A and/or 250B not needed if PH 250A was taken in summer)</td>
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<table>
<thead>
<tr>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>PH 292-7</td>
<td>Interdisciplinary Seminar</td>
</tr>
<tr>
<td>PH 200C-3</td>
<td>Health and Social Behavior Breadth Course</td>
</tr>
<tr>
<td></td>
<td>Electives (to be chosen by student)**</td>
</tr>
</tbody>
</table>

**Electives are chosen in collaboration with Faculty Advisor, customized to provide the skills for each student’s desired career path. Students must have approval of their faculty advisor for elective courses taken outside the School of Public Health.**

**TOTAL NUMBER OF UNITS REQUIRED FOR THE 11-MONTH MPH PROGRAM:** 42 units
EXAMPLES OF SCHOOL OF PUBLIC HEALTH ELECTIVES:  
(see http://catalog.berkeley.edu for complete selection)

Note: there are no restrictions on where you take your electives as long as they are on the Berkeley campus. You can take electives in other UC Berkeley schools and departments such as Business, Public Policy, Demography and Anthropology, or any other department subject to approval from that department and from the student’s faculty advisor.

Fall

PH 201E        Public Health Interventions: Theory, Practice and Research (3 units)
PH 204A        Mass Communication and Public Health (3 units)
PH 204D        Community Organization and Community Building for Health (3 or 4 units)
PH 204E        Multicultural Competence in Public Health (3 units)
PH 212A        International Maternal and Child Health (2 units)
PH 213A        Family Planning, Population Change, and Health (3 units)
PH 217A        Aging and Public Health (3 units)
PH 220F        Healthy Workforce and Public Policy (2 units)
PH 253C        Overview of AIDS Epidemic (3 units)
PH 255C        Mental Health and Psychopathology (3 units)
PH 257         Outbreak Investigation (1 or 3 units)
PH 285A        Public Health Injury Prevention and Control (2 units)
PH 290 (5)     Video and Public Health Leadership (2 units)

Spring

PH 202E        Ethnic and Cultural Diversity in Health Status and Behavior (3 units)
PH 205         Program Planning, Development and Evaluation (3 units)
PH 212D        Global Health Core Course (3 units)
PH 212E        Private Sector Health Care in Developing Countries (2 units)
PH 219A        Advanced Methods: Qualitative Research (3 units)
PH 219C        Community Based Participatory Research in Health (3, 4 units)
PH 219E        Introduction to Qualitative Methods in Public Health Research (2 units)
PH 223C        Strategic Management and Organization of Health Services (2-3 units)
PH 225         Legal Basis for Health Care Delivery (3 units)
PH 253B        Epidemiology and Control of Infectious Diseases (3 units)
PH 255         Social Epidemiology (3 units)
PH 257A        Disaster Epidemiology (2 units)
PH 270B        Toxicology (3 units)
PH 271D        Global Burden of Disease and Comparative Risk Assessment (3 units)
PH 290(2)      Designing Innovative Public Health Solutions (2 units)
PH 291A        Preparation for Public Health Practice (1 unit)
MBA 209F       Fundamentals of Business for Non-Business Majors (3 units)
The 1-year MPH curriculum in Maternal and Child Health (MCH) is offered to health professionals with experience in health services for women, children and families (physicians, nurses, psychologists, social workers, and other masters-level professionals). It is an intensive, full-time course of study running from July to May (11 months). The program requires completion of at least 16-18 units of coursework in the fall and spring semesters. Curricular requirements are summarized below.

The 1-year program also requires completion of a thesis-style research project completed by the student during the year. This project satisfies the comprehensive examination requirement as well as the field practicum requirement. Projects are presented at the end of the Fall and Spring semesters in written and oral formats.

In addition to these requirements, students in the 1 year program may be able to transfer 4 units of graduate level coursework from an accredited medical school or other masters' level program that they have already completed. Please note that students must petition the Graduate Division in order to transfer units.

NOTE: Modifications in program requirements and course offerings may occur from year to year.

### REQUIRED COURSES

#### Summer 2014 Semester: 8 units
- PH 141* Introduction to Biostatistics 5 units
- 250A* Epidemiological Methods 3 units

#### Fall 2014 Semester: 18 units
- PH 245 Introduction to Multivariate Statistics 4 units
- PH 200C 1 & 2 Public Health Core Course 2/2 units
- PH 210 Maternal and Child Health Core Course 3 units
- PH 293-7 MCH Research Issues Seminar 2 units
- PH 293-6 Journal Club 2 units
- Electives (to be chosen by student)* 3 units

#### Spring 2015 Semester: 16 units
- PH 200C-3 Public Health Core Course 2 units
- PH 205** Program Planning, Development and Evaluation 3 units
- PH 218B ** Evaluation of Health and Social Programs 4 units
- PH 293-6 Practical Issues in MCH Data Analysis 1-4 units
- PH 299*** Independent Study – MCH Thesis Project 4 units
- Electives (to be chosen by student) 3 units

<table>
<thead>
<tr>
<th>Required course work (including electives)</th>
<th>38 units</th>
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<tbody>
<tr>
<td>Thesis Project**</td>
<td>4 units</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>42 units</td>
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</table>

*This requirement may also be fulfilled by passing an exemption exam or by completing an SPH-approved higher-level alternative course (see SPH Student Handbook for a complete list of approved alternatives).

**Students may choose between PH205 and PH218B to satisfy the requirement for the MCH Program.

***4 units of independent study with your committee chair may be taken in the Fall or Spring; (3) each semester or all in one semester.
MPH 42 Units Curriculum for 1 Yr. MDs  
in the Environmental Health Sciences Division

**Summer**
- Public Health 142  Intro Biostatistics  5 units
- Public Health 250A  Epidemiology  3 units

**Summer units total**  8 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>PH 200C1</td>
<td>Intro. To Health Policy &amp; Management</td>
<td>2</td>
</tr>
<tr>
<td>Public Health 270B</td>
<td>Advanced Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>Public Health 270</td>
<td>Intro. Env. Health</td>
<td>3</td>
</tr>
<tr>
<td>Public Health 269E</td>
<td>Topics in Environmental Med</td>
<td>2</td>
</tr>
<tr>
<td>Public Health XXX</td>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

**Public Health 200C1**  Intro. To Health Policy & Management  2 units
**Public Health 220C**  Hlth Risk Assessment, Policy & Regulation  4 units
**Public Health 269C**  Occupational Biomechanics  4 units
**Public Health 270A**  Exposure Assessment & Ctl.  3 units
**Public Health 271E**  Science and Policy for Env. Health  3 units
**Public Health XXX**  Statistics Elective  3 units

**Fall units total**  15 units

**Spring Semester**
- PH 200C3  Intro. To Health and Social Behavior  2 units
- PH 220C  Hlth Risk Assessment, Policy & Regulation  4 units
- Public Health 269C  Occupational Biomechanics  4 units
- Public Health 270A  Exposure Assessment & Ctl.  3 units
- Public Health 271E  Science and Policy for Env. Health  3 units
- Public Health XXX  Statistics Elective  3 units

**Spring units total**  19 units

4 units transferred from Medical School or other appropriate previous graduate work that have not been used for other degree credit.  4 units

**Total**  42 units