Department of
ENVIRONMENTAL
HEALTH

MASTER OF PUBLIC HEALTH (45 CREDIT); MASTER OF PUBLIC HEALTH (65 CREDIT); MASTER OF SCIENCE (80 CREDIT); OCCUPATIONAL & ENVIRONMENTAL MEDICINE RESIDENCY; JOINT MPH/MUP PROGRAM; PHD & SD IN POPULATION HEALTH








HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH

Environmental Health Field of Study
PhD in Population Health Sciences

CURRICULUM GUIDE 2020-21

Every effort is made to ensure the information contained in this guide is accurate at the time of printing and posting. However, the curriculum, including degree requirements, courses, faculty, and program policies are subject to modification as deemed necessary by the Harvard T.H. Chan School of Public Health to provide students with the most meaningful educational experience and to remain current with professional standards and guidelines. This version of the Department of Environmental Health Curriculum Guide only pertains to students matriculating in summer or fall 2020.

Contents

Courses – General Information

Waiving Department of Environmental Health Required Courses

These EH courses can include such required courses as those listed below amongst other:

EH 205 Human Physiology
EH 504 Principles of Toxicology
EH 510 Fundamentals of Human Environmental Exposure Assessment
RDS 500 Risk Assessment

Complete the waiver form on page 22.

Sign the form and have your advisor sign as well.

Include with the form:
A copy of the syllabus of the course(s) you took that you believe fulfill this requirement and has covered the course content of the department course.
An unofficial copy of your transcript indicating the grade you received in this course.

Email the completed waiver form and related documentation to Barbara Zuckerman (bzuckerm@hsph.harvard.edu). She will contact the instructor who will evaluate your request and let you know the decision.

Waiving School-wide Required Courses: BST 201 and EPI 201/202

Students who believe they have fulfilled requirements for required courses – either school-wide or department/program required courses, need to follow the instructions below and complete the necessary forms with attached documentation.
Waiving a required course **does not** transfer any credits. If you waive a required course, it means you do not have to retake that course to fulfill your degree requirements.

To waive:
BST 201 Introduction to Statistical Methods
EPI 201 Introduction to Epidemiology: Methods I
EPI 201 Introduction to Epidemiology: Methods I and *EPI 202 Epidemiologic Methods 2: Elements of Epidemiologic Research*

Process:

1) Download the core course waiver form and complete the appropriate form based on your degree program.
   - SM/MPH/DrPH/BST PHD (EPI 201, BST 201 or ID 201)– course waiver form
   - PHS PhD (EPI 201 and/or EPI 202) – course waiver form
2) Collect syllabi and course descriptions of previously completed graduate- level courses (Please translate these documents if they are not written in English)
3) Collect transcripts documenting final grades in above courses
4) Complete survey and upload all supporting documents
   - Survey link: https://harvard.az1.qualtrics.com/jfe/form/SV_6mv9iKaQXLq2mpv
5) Survey will be open: July 24 - August 4th @ 5pm
6) Decisions will be sent to your HSPH email address by August 12th @ 5pm

*All times are Boston/EST

Questions can be directed to Eric DiGiovanni (edigiova@hsph.harvard.edu - EPI 201 and ID 201) and Jelena Follweiler (jtillots@hsph.harvard.edu - BST 201 and ID 201)

HARVARD T.H. CHAN
SCHOOL OF PUBLIC HEALTH

Department of Environmental Health

COURSE WAIVER FORM
DEPARTMENT/DEGREE PROGRAM REQUIREMENTS

Student Name (please print) _____
Harvard ID _____
Degree Program_____
Area of Interest/Area of Specialization/Track/Area of Major Focus
_____
Course Semester: Fall_____ **Spring** _____ **Year** _____
Course Number _____ **Course Instructor** _____
Course Name _____
Required Course: **Yes** ____ **No** _____

EXPLANATION FOR WAIVER (Provide documentation including syllabus of previous course(s) taken, transcript of grade)
_____
_____
_____
_____
_____
_____
_____
(Use other side if necessary)

Student Signature _____ **Date** _____

APPROVALS/SIGNATURES

Advisor _____ **Date** _____
Course Instructor _____ **Date**_____
Department _____ **Date**_____

Additional Comments

_____
_____
_____
_____

About the Ph.D. in Population Health Sciences

Introduction

Welcome to the PhD in Population Health Sciences (PHS). This full-time degree is a joint collaboration between the Harvard Faculty of Arts and Sciences (FAS) and the Harvard T.H. Chan School of Public Health to offer a Doctorate of Philosophy (PhD) in Population Health Sciences. The program is designed to encourage students to benefit from connections between public health disciplines and a broader range of academic disciplines represented across the Graduate School of Arts and Sciences (GSAS).

The PhD in PHS offers advanced doctoral-level research training that builds on multiple disciplinary perspectives to understanding origins and determinants of health and disease across populations. Students in this program will be based at the Harvard T.H. Chan School of Public Health, and belong to one of the following Fields of Study associated with the departments of:

- Environmental Health (EH)
- Epidemiology (EPI)
- Global Health and Population (GHP)
- Nutrition (NUT)
- Social and Behavioral Sciences (SBS)

This PhD in Population Health Sciences is primarily intended for students likely to pursue careers in academia in these Fields of Study or in departments related to population health, or in research-related positions outside of academia. In addition to nurturing the development of the next generation of population health researchers and scientists, the program will provide opportunities for students to build scientific communication, and mentoring and teaching skills, thereby becoming educators in their field.

Population Health Sciences Overview

The overarching goal of this program is to foster scholarship in developing new and innovative ideas in population health sciences, improve communication of those ideas effectively, and understand changing health needs in different societies and contexts.

What is Population Health Sciences (PHS)?
'Population Health' captures the social and biological dimensions of human groups. It also demonstrates the common perspective that underlies the Fields of Study with 'population' as the object of study, target of inference, intervention, and improvement. Thus, Population Health Sciences presents an umbrella framework to reflect the general changes in our understanding of population health worldwide, to answer a call for multidisciplinary researchers in the health sciences, and also to respect the need for depth in a particular area of expertise.

Who are PHS students at Harvard?
PHS students at Harvard have the benefit of affiliation with two vibrant academic communities. As PhD students at Harvard University, students are formally enrolled in the Graduate School of Arts and Sciences (GSAS) and become part of GSAS's expansive community of scholars. At the same time, students maintain an academic affiliation with the Harvard T.H. Chan School of Public Health, home to the five academic departments whose faculty provide the research, teaching, and advising expertise that form the foundation of the Fields of Study for this PhD: Environmental Health, Epidemiology, Global Health & Population, Nutrition, and Social & Behavioral Sciences.

Department of Environmental Health

Students in this field of study will be affiliated with the Department of Environmental Health at the Harvard T.H. Chan School of Public Health.

The Department of Environmental Health pursues innovative research and offers interdisciplinary training in environmental health, emphasizing the role of air, water, contaminants in food and consumer products, the built environment, and the workplace as critical determinants of public health. Faculty members study the pathogenesis and prevention of environmentally produced illnesses, injury and disability, ergonomics and safety, climate change, occupational hygiene, environmental management and sustainability, and are leaders in, and facilitators of, scientifically based public health advances. Faculty research areas include a multi-disciplinary approach ranging from molecular and physiologic studies, exposure assessment and control, engineering, epidemiology, risk assessment to policy evaluation.

The department examines complex problems that require the contributions of many specialties. The faculty, research staff, and students reflect the multidisciplinary nature of the field and include chemists, engineers, epidemiologists, practitioners, occupational hygienists, urban planners, climatologists, applied mathematicians, physicians, nurses, physiologists, cell biologists, molecular biologists, and microbiologists.

Areas of Specialization – Incoming Students, Fall 2020

- Environmental Health Bioengineering
- Environmental Health Epidemiology
- Environmental Health Exposures
- Environmental Health Molecular Epidemiology
- Environmental Health Molecular Physiology
- Environmental Health Occupational Health
- Environmental Health Risk Sciences

Areas of Specialization – Returning Students, Fall 2020

- **Environmental Epidemiology** (EER) & (EOME)**:** this area focuses on identifying and measuring the influence of physical, chemical, and biological environmental factors on human disease in communities to provide scientific evidence for sound environmental and health policies.

- **Environmental Exposure Assessment:** this area emphasizes the chemical, physical, microbiological, and engineering aspects of environmental and occupational exposures and the identification and characterization of human and ecological exposures to environmental contaminants, and in modeling their fate and transport, to develop strategies to control environmental hazards, allergens, and pathogens.
- **Ergonomics and Safety (EER) & (EOME):** this area focuses on public health and engineering approaches to the prevention of work-related injuries and musculoskeletal disorders, encompassing exposure assessment, occupational biomechanics, and epidemiology.
- **Environmental Molecular Epidemiology:** this interdisciplinary area combines molecular and genetic laboratory assessments with epidemiology to clarify gene-environment interactions, as well as assessment of epigenetic, functional genomic, metabolomics, transcriptomic and other "omic" technologies into environmental epidemiology study designs.
- **Environmental and Occupational Epidemiology:** this area focuses on identifying and quantifying diseases and injuries due to workplace exposures and to provide the scientific basis for occupational health and safety policies.
- **Environmental/Occupational Molecular Epidemiology:** this area incorporates "omics" techniques with epidemiology, biostatistics and exposure assessment to study biomarkers of exposure, susceptibility, early adverse responses and diseases resulting from environmental and occupational exposures.
- **Injury Epidemiology and Prevention:** this area focuses on using epidemiologic methods to identify and describe risk factors for unintentional and intentional injuries, and to design an implementation of effective interventions for these injuries to target at-risk populations.
- **Occupational Epidemiology:** this area focuses on assessing hazardous exposures in the workplace (chemical, physical, biological) in human population studies.
- **Bioengineering:** this area focuses on the biophysical interactions of cells, tissues and organisms with each other and with environmental exposures and agents, and how these physical processes determine biologic responses.
- **Environmental Physiology:** this area emphasizes understanding the functional outcomes of environmental agents and exposures on cells, tissues and organs, especially as disease manifestations.
- **Mechanisms of Disease:** this area focuses on understanding the molecular and cellular basis for disease, especially those related to environmental exposures and agents.

Curriculum

The curriculum for the PhD in Population Health Sciences strives to strengthen and formalize students' breadth of foundational knowledge and skills in population health (the common core training), and, at the same time, enhance and inform depth of knowledge and skills (Field of Study training).

The program requirements include:

- Completion of courses that are common across the program and that are required within the student's Field of Study and Area of Specialization;
- Participation in research assistantships and teaching fellowships;
- Successful completion of program-wide and field of study assessments (e.g. qualifying exam), dissertation prospectus, and dissertation and oral defense.
- For a more detailed overview of all our degree requirements, you can refer to our Student Handbook.

Program-wide Training is delivered by courses, seminars, and workshops. Themes include:

- Conceptual foundations of population health;
- Research methods;
- Ethics of scientific research;
- Scientific communication and pedagogy (in writing, speaking, visual presentation, and teaching)

Field of Study Training specific to a student's Field of Study (and Area of Specialization) is delivered through a variety of methods. The distribution of required methods courses, research assistantships, assessments, and seminars, etc. varies according the Field of Study.

Dissertation: Each student will be expected to complete a body of original research of publishable quality. This may take one of two forms: (a) a minimum of three individual publishable papers, or (b) a traditional thesis-style submission with at least three original and innovative chapters, including an introduction and a conclusion that cogently ties it all together. Papers do not have to be published as single-author papers in order to fulfill dissertation requirements. The dissertation must be successfully defended before three examiners.

Courses

Brief overview; more information provided on curriculum guides

Pre-Program Requirement

All students should have prior coursework in biostatistics equivalent to at least BIO201 (Introduction to Biostatistics) at the entry into the program. Admitted students will be required to take an online biostatistics pre-test to assess competency with the BIO201 material. Students who score below a certain threshold will be required to either (i) take an online biostatistics module during the summer preceding program entry or (ii) register for an in-person summer biostatistics course at the school. Students who do particularly poorly on the pretest will be strongly encouraged to pursue the in-class option.

Regardless of the pre-test outcome, the PHS Program will encourage students to attend a biostatistics "bootcamp" in late August during program orientation to ensure all students are adequately prepared for the required quantitative research methods sequence (see below).

Electives

Students in this program may take other courses offered at the Harvard T.H. Chan School of Public Health. The link to the course listing is here.

They may also take courses across any of the Harvard schools. The link to the University-wide course listing is here.

Course Enrollment Requirements

Please note that credit numbers are different between the Faculty of Arts and Sciences and the Harvard Chan School. FAS uses a 2, 4, 8 credit system while the Harvard Chan School uses a 2.5, 5, and 10 credit system. For the purposes of PHS courses, 4/5 credit courses will be referred to as a "semester course" and 2/2.5 credit courses as a "quarter courses." Overall, GSAS students need to enroll in a minimum of 16 credits per semester. As students of the Graduate School of Arts and Sciences, PHS students will register directly into any PHS-specific (or other FAS) courses, such as PHS 2000A and PHS 2000B; and will cross-register into any Chan School courses (predominantly Field of Study requirements).

Program-Wide Required Courses and Credits

All students in the PhD Program in Population Health Sciences (regardless of field of study) are expected to complete the following requirements:

- **Quantitative Research Methods in Population Health Sciences (PHS 2000)**, a year-long course to be taken in the first year. This course forms the core of the PhD coursework in research methods. Methods from different disciplines with relevance to all five fields of study are included (see below for details). (10 Chan credits/ 8 FAS credits)
- **Introduction to Epidemiology (EPI201) and Elements of Epidemiological Research (EPI202):** to be taken in the first year. This sequence equips all students with understanding of basic research concepts, causal theory, epidemiology, and study design. (5 Chan credits/ 4 FAS credits)
- **Introduction to Public Health (number TBD):** providing an introduction to the social and scientific context, content, and implications of theories of disease distribution, past and present. (2.5 Chan credits/ 2 FAS credits)
- **Responsible Conduct of Research (HPM 548):** introducing basic ethical and regulatory requirements for conducting bench, animal, clinical, and public health research. (1.25 credits)

Quantitative Research Methods

PHS 2000: This is the core year-long quantitative methods course for the Population Health Science PhD students at the School of Public Health. The course integrates methods and concepts from the various disciplines represented by population health sciences to equip students with the methodological tools to conduct their own research as well as collaborate across fields of study and areas of specialization. The course will cover foundational statistical methods including linear and logistic regression, generalized linear models, survival analysis, longitudinal data analysis, and multilevel modeling. Discussion will be given to important concepts including study design, sampling, scientific inference, causal reasoning, measurement, and replication. The course will also provide an overview of a number of additional and sometimes more advanced methods including Bayesian statistics, big data methods, missing data, sensitivity analysis, propensity scores, time-varying exposures, interaction, mediation, instrumental variables, regression discontinuity designs, difference-in-difference methods, selection models, time series, bootstrapping, simulations, and meta-analysis. With these latter topics, emphasis will be placed on understanding the basic definitions, assumptions, and methodology. Students will be referred to further readings and courses to gain more detailed understanding. Various software resources will be used throughout the course. The course will prepare students to critically read through the empirical population health science literature, and to implement a number of different methods in their own research.

Prerequisites: This course is restricted to first-year PhD students in Population Health Sciences.

Environmental Health Field of Study Required Courses

- 10 credits* from a list of required methods/BIO in addition to BIO 210/213
- 10 credits from a list of recommended courses in methods/EPI
- ID 215 Environmental and Occupational Epidemiology (2.5)
- 205 Human Physiology (5)
- EH 236 Epidemiology of Environmental & Occupational Health Regulations (5)
- EH 231 Occupational Health Policy and Administration (2.5)
- EH 504 Principles of Toxicology (2.5 or 5)
- HPM 548 Responsible Conduct of Research (1.25)

EH/EER

- RDS 500 Risk Assessment (2.5)
- EH 520 Research Design in Environmental Health (2.5)
- EH 510 Fund of Human Env Expos Assmnt (2.5)
- EH/MIPS

- EH 208 Pathophysiology
- EH 305 (2 lab rotations)
- EH 504 Principles of Toxicology
- EH 512 Introduction to Computational Biology and Bioinformatics
- EH 513 Interdisciplinary Training in Environmental Health

EH/EOME

There are requirements for areas within this area of study.

Please note that credits on this page have been listed as Harvard Chan credits. Please remember that as GSAS students, PHS students will calculate their credits on the FAS credit system which is in increments of 2, 4, 8. Please use the credit conversion chart if you have any questions or concerns.

Advising

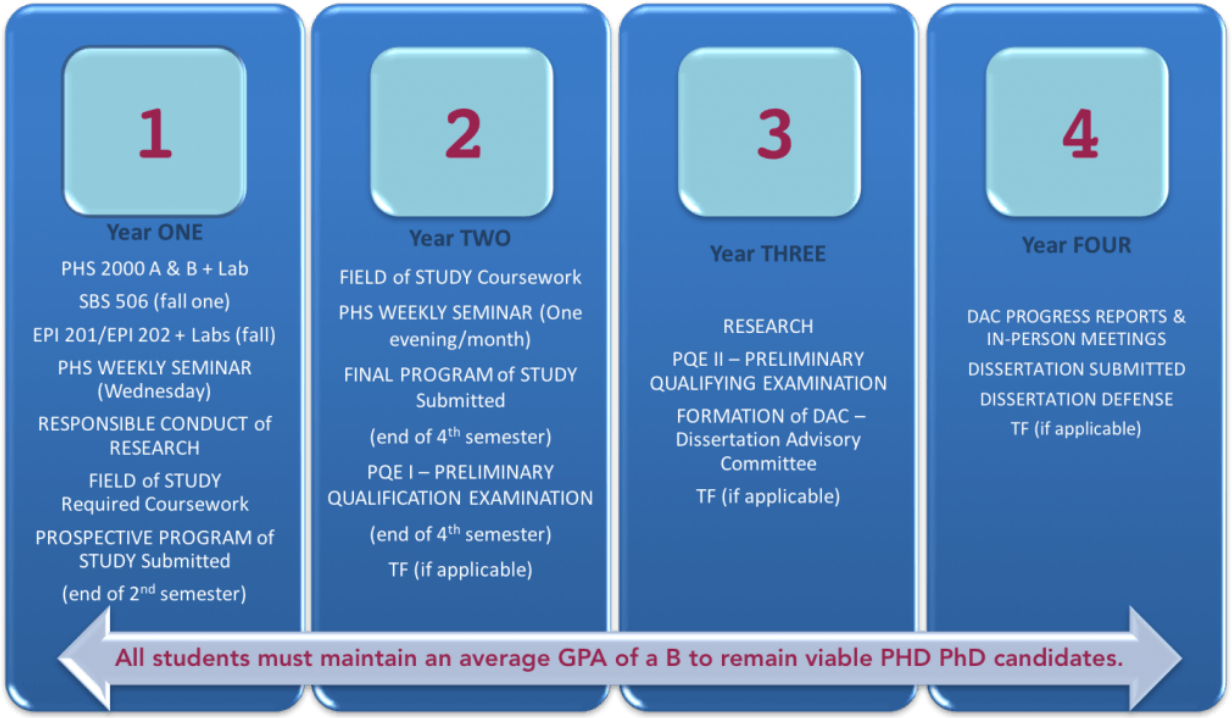
All first-year students will be assigned an adviser from within their field of study and will be notified of their adviser upon entering studies.

Students will work with their designated academic adviser to prepare a degree program plan. After successfully completing the qualifying examination, the doctoral candidate will finalize his or her general research topics and identify a prospective dissertation adviser and committee.

The dissertation adviser, who should be a faculty member of the department affiliated with the student's Field of Study, will assume the responsibilities of the academic adviser and direct the student's doctoral research. The program strongly encourages students to create a dissertation committee that consists of faculty from different departments affiliated with the five Fields of Study, in order to bring a range of expertise and interdisciplinary collaboration to the student's research.

Milestones

In order to obtain a PhD through the proposed program, students must successfully complete all common program milestones during their training pathway including completion of all required coursework, assessment of program-wide and field-specific competencies, oral defense of dissertation proposal, and dissertation defense. Below is an example pathway and the milestones, some of which will be time-bound and others that will be ongoing.



Informal Training

The program encourages students to engage with any of the research centers at Harvard T.H. Chan School of Public Health as well as with any of the centers or institutes at any of the Harvard schools. A non-exhaustive list is provided below.

Harvard T.H. Chan School of Public Health

- Harvard Center for Population and Development Studies
- Center for Health Communication
- Center for Health Decision Science
- François-Xavier Bagnoud Center for Health and Human Rights
- Harvard Injury Control Research Center
- Harvard T.H. Chan School of Public Health AIDS Initiative
- Harvard T.H. Chan School of Public Health Center for Work, Health, & Well-being
- John B. Little Center for Radiation Sciences
- Center for Biostatistics in AIDS Research
- Center for Communicable Disease Dynamics
- Center for Global Tobacco Control
- Harvard Education and Research Center for Occupational Safety and Health
- Harvard Center for Risk Analysis
- Harvard Prevention Research Center on Nutrition and Physical Activity
- Harvard NIEHS Center for Environmental Health (Superfund Research Program)
- Harvard Preparedness and Emergency Response Learning Center
- Center for Health and Global Environment
- Harvard School of Public Health Prevention Research Center

Other Harvard University Centers

- Institute for Quantitative Social Science, which houses the Center for Geographic Analysis and the Harvard-MIT Data Center
- Harvard Humanitarian Initiative
- Harvard Global Health Institute
- Weatherhead Center for International Affairs
- Malcolm Weiner Center for Social Policy
- Center on the Developing Child
- Center for International Development
- Center for the Environment
- David Rockefeller Center for Latin American Studies
- South Asia Initiative

Click here for a more detailed list.

Career Outlook

Graduates assume a multitude of positions after they graduate including post-doctoral fellows, faculty members and research scientists in graduate schools, medical schools, research institutes or schools of public health. Career opportunities in the biological sciences as they apply to public health have also grown in academia and in the biotechnology and pharmaceutical industries.
PHS students have access to the GSAS Office of Career Services for resources regarding non-academic pathways such as well as more traditional academic pathways, ranging from career fairs to interviewing skills.

Careers in academia, such as schools of:

- Public Health
- Medicine
- Health Sciences
- Other academic institutions

Research roles and positions outside of academia, such as:

- Leadership positions in local, state, and federal agencies, and international governmental institutions, including ministries of health
- Research scientists with federal agencies such as the Environmental Protection Agency, National Institutes of Health, and the Centers for Disease Control and Prevention, as well as in private industry
- Research scientists and leaders of philanthropic foundations such as the American Cancer Society and American Heart Association
- Directors and program officers for international organizations such as the United Nations and the World Bank
- Epidemiologists for local and federal agencies as well as international governmental institutions, or Directors of nongovernmental agencies and consulting organizations.

GSAS Career Services:

- GSAS Office of Career Services
- Career Pathways Resources
- GSAS Advising Resources

Harvard Chan School's Office of Career Services:

- Log onto CareerConnect (SPH site) for job, fellowship, & internship opportunities
- Check out the Careers Resources on the Career Advancement Website for comprehensive public health job search tools
- Check the HSPH Alumni Community and the Harvard Wide Alumni Community for alumni contacts/mentors

Useful Forms and Documents:

- Sample CV for Academe
- Sample CV for Industry
- New Biosketch Format (Sample)
- New Biosketch Format (For Use)
- CV, Resume or Something in-between (Powerpoint)

Tips:

- The Perfect Elevator Pitch to Land a Job (Source: Forbes)
- 10 Steps to Career Fair Success (Source: SPH Office for Career Advancement)
- 7 Things You Need to Do After Attending a Career Fair (Source: Rasmussen)
- Your Body Language Shapes Who You Are (Source: Professor Amy Cuddy, HBS @ TEDGlobal 2012)
- Winning a Job With Your Unique Selling Proposition (USP) (Source: Bloomberg Business)

Ph.D. in Population Health Sciences: Areas of Specialization for New Students

Ph.D. in Environmental Health Epidemiology								
Year 1 Fall - Environmental Health Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Summer / Fall 1	**ID 100**	Foundations for Public Health	1					Online – asynchronous
Fall	**PHS 2000A#**	Quantitative Research Methods in Population Health Sciences	5 (4 GSAS)	TuTh	11:30-1:00			Required Lab Section, 11:30-1:00 see below
Fall	**PHS 2000A#**	Quantitative Research Methods in Population Health Sciences (Lab)		M	11:30-1:00			
Fall 1	**EPI 201***	Introduction to Epidemiology: Methods I	2.5	TuTh	9:45-11:15 *or* 11:30-1:00			Additional Lab Section Required
Fall 2	**EPI 202***	Epidemiologic Methods 2: Elements of Epidemiologic Research	2.5	TuTh	9:45-11:15 *or* 11:30-1:00			Additional Lab Section Required
Fall	**EH 205****	Human Physiology	5	MW	9:45-11:15			
Fall 2	**EH 510****	Fundamentals of Human Environmental Exposure Assessment	2.5	TuTh	2:00-3:30			
Fall 1	**RDS 500****	Risk Assessment	2.5	TuTh	2:00-3:30			
Fall 1	**SBS 506**	An Intro to History, Politics, & Public Health: Theories of Disease Distr. & Health Inequities	2.5	F	10:00-1:00			
		Total Required Credits						
Electives courses chosen in consultation with your advisor.								

Total Elective Credits	
Total Semester Credits	

#NOTE: Fall 2020 Incoming PhD PHS students who, in consultation with Dr. Jarvis Chen, have opted to take PHS 2000A and B in their second year, should register for BST 201 Introduction to Statistical Methods in Fall 2020 and BST 210 Applied Regression Analysis in Spring 2011.

Fall 2020	**BST 201**	Introduction to Statistical Methods	5	Th	3:45-5:15	BST 201 Additional Lab Required
Spring 2021	**BST 210**	Applied Regression Analysis	5	Th	8:00-9:30	BST 210 Additional Lab Required. BST 210 also offered in the Spring

*Students who believe they have taken coursework that fulfills the school requirements for EPI 201 and/or EPI 2020 see the section on waiving courses on pages 20-21.

**Students who believe they have taken coursework that fulfills the EH Department requirements for EH 205, EH 510, RDS 500 and any other EH required courses see the section on waiving courses on pages 20 and complete the EH Department Waiver Form on page 22.

Year 1 Spring - Environmental Health Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
	PHS 2000B	Quantitative Research Methods in Population Health Science II						
Spring	**EH 257** *or* **EH 297**	Water Pollution *or* Atmospheric Environment	5 5	TuTh or WF	9:45-11:15 *or* 11:30-1:00			
Spring	**EH 520**	Research Design in Environmental Health	2.5	F	2:00-3:30			
Spring	**ID 215**	Environmental and Occupational Epidemiology	2.5	W	2:00-3:30			
Spring 1	**ID 271**	Advanced Regression for Environmental Epidemiology	2.5	TuTh	Tu 2:00-3:30 Th 1:00-3:30			
An additional approved 2.5 credit <u>methods course</u> which could include one of the following								
Spring 2 *or* Spring 2	**EPI 203** *or* **EPI 204**	Study Design in Epidemiologic Research *or* Analysis of Case-Control, Cohort and Other Epidemiologic Data	2.5 2.5	TuTh or MW	3:45-5:15 *or* 9:45-11:15			*These courses can be taken 1st or 2nd year* EPI 204 Lab section required, W 3:45-5:15; Th 3:45-5:15; F 9:45-11:15
An additional approved 2.5 credit <u>substantive course</u> which could include one of the following								
Spring 1 *or* Spring 2 *or* Fall 2	**EPI 213** *or* **EPI 223** *or* **EPI 269**	Epidemiology of Cancer *or* Cardiovascular Epidemiology I *or* Reproductive and Perinatal Epidemiology I	2.5 2.5 2.5	TuTh *or* MW *or* TuTh	2:00-3:30 *or* 2:00-3:30 *or* 2:00-3:30			
		Total Required Credits						

Electives courses chosen in consultation with your advisor.								
Total Elective Credits								
Total Semester Credits								

Year 2 Fall - Environmental Health Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**EH 504**	Principles of Toxicology	5	TBA	TBA			Section 2
Students must also take an approved 5 credit intermediate or advanced biostatistics/qualitative methods course. Courses may be selected in consultation with your advisor*								
Total Required Credits								
Elective & TA courses chosen in consultation with your advisor								
Total Elective Credits								
Total Semester Credits								

Years 3-5 - Environmental Health Epidemiology								
Semester	**Course Code**	**Course Title**	**Credits**	**Day**	**Time**	**Completed/ Waived**	**Grade**	**Notes**
Elective & TA courses chosen in consultation with your advisor								
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Environmental Health Exposures								
Year 1 Fall - Environmental Health Exposures								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Summer / Fall 1	**ID 100**	Foundations for Public Health	1					Online – asynchronous
Fall	**PHS 2000A#**	Quantitative Research Methods in Population Health Sciences	5 (4 GSAS)	TuTh	11:30-1:00			Required Lab Section, 11:30-1:00 see below
Fall	**PHS 2000A#**	Quantitative Research Methods in Population Health Sciences (Lab)		M	11:30-1:00			
Fall 1	**EPI 201***	Introduction to Epidemiology: Methods I	2.5	TuTh	9:45-11:15 *or* 11:30-1:00			Additional Lab Section Required
Fall 2	**EPI 202***	Epidemiologic Methods 2: Elements of Epidemiologic Research	2.5	TuTh	9:45-11:15 *or* 11:30-1:00			Additional Lab Section Required
Fall	**EH 205****	Human Physiology	5	MW	9:45-11:15			
Fall 2	**EH 510****	Fundamentals of Human Environmental Exposure Assessment	2.5	TuTh	2:00-3:30			
Fall 1	**SBS 506**	An Intro to History, Politics, & Public Health: Theories of Disease Distr. & Health Inequities	2.5	F	10:00-1:00			
Fall 1	**RDS 500****	Risk Assessment	2.5	TuTh	2:00-3:30			
		Total Required Credits						
Electives courses chosen in consultation with your advisor.								
		Total Elective Credits						
		Total Semester Credits						

[#]**NOTE:** Fall 2020 Incoming PhD PHS students who, in consultation with Dr. Jarvis Chen, have opted to take PHS 2000A and B in their second year, should register for BST 201 Introduction to Statistical Methods in Fall 2020 and BST 210 Applied Regression Analysis in Spring 2011.

Fall 2020	**BST 201**	Introduction to Statistical Methods	5	Th	3:45-5:15	BST 201 Additional Lab Required
Spring 2021	**BST 210**	Applied Regression Analysis	5	Th	8:00-9:30	BST 210 Additional Lab Required. BST 210 also offered in the Spring

*Students who believe they have taken coursework that fulfills the school requirements for EPI 201 and/or EPI 2020 see the section on waiving courses on pages 20-21.

**Students who believe they have taken coursework that fulfills the EH Department requirements for EH 205, EH 510, RDS 500 and any other EH required courses see the section on waiving courses on pages 20 and complete the EH Department Waiver Form on page 22.

Year 1 Spring - Environmental Health Exposures								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
	PHS 2000B	Quantitative Research Methods in Population Health Science II						
Spring	**EH 257**	Water Pollution	5	TuTh	9:45-11:15			
Spring	**EH 297**	Atmospheric Environment	5	WF	11:30-1:00			
Spring	**EH 520**	Research Design in Environmental Health	2.5	F	2:00-3:30			
Spring	**ID 215**	Environmental and Occupational Epidemiology	2.5	W	2:00-3:30			
		Total Required Credits						
Electives courses chosen in consultation with your advisor.								
		Total Elective Credits						
		Total Semester Credits						

Year 2 Fall - Environmental Health Exposures								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Fall	**EH 504**	Principles of Toxicology	5	TBA	TBA			Section 2
Students must also take an approved 5 credit intermediate or advanced biostatistics/qualitative methods course. Courses may be selected in consultation with your advisor								
		Total Required Credits						

Elective & TA courses chosen in consultation with your advisor								
		Total Elective Credits						
		Total Semester Credits						

Year 3-5 - Environmental Health Exposures								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective & TA courses chosen in consultation with your advisor								
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Environmental Health Molecular Epidemiology								
Year 1 Fall - Environmental Health Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Summer / Fall 1	**ID 100**	Foundations for Public Health	1					Online – asynchronous
Fall	**PHS 2000A#**	Quantitative Research Methods in Population Health Sciences	5 (4 GSAS)	TuTh	11:30-1:00			Required Lab Section, 11:30-1:00 see below
Fall	**PHS 2000A#**	Quantitative Research Methods in Population Health Sciences (Lab)		M	11:30-1:00			
Fall 1	**EPI 201***	Introduction to Epidemiology: Methods I	2.5	TuTh	9:45-11:15 *or* 11:30-1:00			Additional Lab Section Required
Fall 2	**EPI 202***	Epidemiologic Methods 2: Elements of Epidemiologic Research	2.5	TuTh	9:45-11:15 *or* 11:30-1:00			Additional Lab Section Required
Fall	**EH 205****	Human Physiology	5	MW	9:45-11:15			
Fall 2	**EH 510****	Fundamentals of Human Environmental Exposure Assessment	2.5	TuTh	2:00-3:30			
Fall 1	**SBS 506**	An Intro to History, Politics, & Public Health: Theories of Disease Distr. & Health Inequities	2.5	F	10:00-1:00			
Fall 1	**RDS 500****	Risk Assessment	2.5	TuTh	2:00-3:30			
		Total Required Credits						
Electives courses chosen in consultation with your advisor.								

Total Elective Credits	
Total Semester Credits	

#NOTE: Fall 2020 Incoming PhD PHS students who, in consultation with Dr. Jarvis Chen, have opted to take PHS 2000A and B in their second year, should register for BST 201 Introduction to Statistical Methods in Fall 2020 and BST 210 Applied Regression Analysis in Spring 2011.

Fall 2020	**BST 201**	Introduction to Statistical Methods	5	Th	3:45-5:15	BST 201 Additional Lab Required
Spring 2021	**BST 210**	Applied Regression Analysis	5	Th	8:00-9:30	BST 210 Additional Lab Required. BST 210 also offered in the Spring

*Students who believe they have taken coursework that fulfills the school requirements for EPI 201 and/or EPI 2020 see the section on waiving courses on pages 20-21.

**Students who believe they have taken coursework that fulfills the EH Department requirements for EH 205, EH 510, RDS 500 and any other EH required courses see the section on waiving courses on pages 20 and complete the EH Department Waiver Form on page 22.

Year 1 Spring - Environmental Health Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
	PHS 2000B	Quantitative Research Methods in Population Health Science II						
Spring	**EH 520**	Research Design in Environmental Health	2.5	F	2:00-3:30			
Spring	**ID 215**	Environmental and Occupational Epidemiology	2.5	W	2:00-3:30			
Spring 1	**ID 271**	Advanced Regression for Environmental Epidemiology	2.5	TuTh	Tu 2:00-3:30 Th 1:00-3:30			
An additional approved 2.5 credit <u>methods course</u> which could include one of the following								
Spring 2 Spring 2	**EPI 203** *<u>or</u>* **EPI 204**	Study Design in Epidemiologic Research *<u>or</u>* Analysis of Case-Control, Cohort and Other Epidemiologic Data	2.5 *<u>or</u>* 2.5	TuTh *<u>or</u>* MW	3:45-5:15 *<u>or</u>* 9:45-11:15			*These courses can be taken 1st or 2nd year* EPI 204 Lab section required, W 3:45-5:15; Th 3:45-5:15; F 9:45-11:15
An additional approved 2.5 credit <u>substantive course</u> which could include one of the following								
Spring 1 Spring 2 Fall 2	**EPI 213** *<u>or</u>* **EPI 223** *<u>or</u>* **EPI 269**	Epidemiology of Cancer *<u>or</u>* Cardiovascular Epidemiology I *<u>or</u>* Reproductive and Perinatal Epidemiology I	2.5 *<u>or</u>* 2.5 *<u>or</u>* 2.5	TuTh *<u>or</u>* MW *<u>or</u>* TuTh	2:00-3:30 *<u>or</u>* 2:00-3:30 *<u>or</u>* 2:00-3:30			
		Total Required Credits						
Electives courses chosen in consultation with your advisor.								

Total Elective Credits	
Total Semester Credits	

Year 2 Fall - Environmental Health Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**EH 504**	Principles of Toxicology	5	TBA	TBA			Section 2
Students must also take an approved 5 credit intermediate or advanced biostatistics/qualitative methods course. Courses may be selected in consultation with your advisor*								
Total Required Credits								
Electives courses chosen in consultation with your advisor.								
Total Elective Credits								
Total Semester Credits								

Year 2 Spring - Environmental Health Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring	**EH 257** *or* **EH 297**	Water Pollution *or* Atmospheric Environment	5 5	TuTh *or* WF	9:45-11:15 *or* 11:30-1:00			Can be taken 1st or 2nd year

Total Required Credits	

Electives courses chosen in consultation with your advisor.								
Total Elective Credits								
Total Semester Credits								

Years 3-5								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Electives courses chosen in consultation with your advisor.								
Total Elective Credits								
Total Course Credits								

Ph.D. in Population Health Sciences: Areas of Specialization for Returning Students

Ph.D. in Environmental Epidemiology (EER)								
Year 2 - Environmental Epidemiology (EER)								
Semester	**Course Code**	**Course Title**	**Credits**	**Day**	**Time**	**Completed/ Waived**	**Grade**	**Notes**
Required Courses								
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			Suggested
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1 (MW 9:45-11:15)** - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA)- 5.0 credits - is for **all** other students
Spring 1	**ID 271**	Advanced Regression for Environmental Epidemiology	2.5	TuTh	Tu 2:00-3:30 Th 1:00-3:30			Suggested
		Total Required Credits						
Elective & TA Courses. 7.5 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								
		Total Elective Credits						
		Total Semester Credits						
Years 3-5 - Environmental Epidemiology (EER)								
Semester	**Course Code**	**Course Title**	**Credits**	**Day**	**Time**	**Completed/ Waived**	**Grade**	**Notes**
Elective & TA Courses. 30 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Environmental Exposure Assessment								
Year 2 Fall - Environmental Exposure Assessment								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Spring 1	***BST 211***	*Risk Factors and Population Health*	*2.5*	*MWF*	*2:00-3:30*			*Suggested; Lab*
		Total Required Credits						
Elective & TA Courses. 15 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								
		Total Elective Credits						
		Total Semester Credits						
Years 3-5 - Environmental Exposure Assessment								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective & TA Courses. 30 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Ergonomics and Safety (EER)								
Year 2 Fall - Ergonomics and Safety (EER)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring 1	***BST 211***	*Risk Factors and Population Health*	*2.5*	*MWF*	*2:00-3:30*			*Suggested; Lab*
		Total Required Credits						
Elective & TA Courses. 15 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								
		Total Elective Credits						
		Total Year Credits						
Years 3-5 - Ergonomics and Safety (EER)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective & TA Courses. 30 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

EER Doctoral Electives										
Course Code	Course	Credits	Semester	Day	Time	Environmental Epidemiology	Environmental Exposure Assessment	Ergonomics and Safety	Occupational Hygiene	RDS
BST 212	Survey Research Methods in Community Health	2.5	Spring	W	3:45-5:15	X				
BST 213	Applied Reg for Clinical Research	5	Fall	MW	8:00-9:30	*	*	*	*	*
BST 222	Basics of Statistical Inference	5	Fall	TuTh	8:00-9:30	*	*	*	*	*
BST 223	Applied Survival Analysis	5	Spring	TuTh	9:45-11:15	*	*	*	*	*
BST 226	Applied Longitudinal Analysis	5	Spring	TuTh	2:00-3:30	*	*	*	*	*
BST 233	Methods II	5	Spring	MW	8:00-9:30	X				
BST 245	Analysis of Multivariate and Longitudinal Data	5	Fall	TuTh	11:30-1:00	X				
~~EH 201~~	~~Intro to Environmental Health~~	~~2.5~~	~~Summer~~	~~MTuWThF~~	~~1:30-3:20~~	X				
~~EH 202~~	~~Principles of Environmental Health~~	~~2.5~~	~~Spring 1~~	~~TuTh~~	~~9:45-11:15~~	~~X~~				
EH 232	Introduction to Occupational and Environmental Medicine	2.5	Spring	F	8:00-9:30	X				
EH 241	Occupational Safety and Injury Prevention	2.5	Fall	Th	5:30-7:00			X		
~~EH 243~~	~~Ergonomics/Human Factors~~	~~2.5~~	~~Fall~~	~~W~~	~~2:00-3:30~~	~~X~~		~~X~~	~~X~~	
EH 253	*Ventilation*	*2.5*	*Spring*	*M*	*1:30-3:20*			*X*		

EH 254	*Control of Noise & Vibration*	*2.5*	*Spring*	*F*	*1:30-3:20*			*X*		
EH 256	*Intro to Aerobiology*	*2.5*	*Fall*	*F*	*1:30-3:20*			*X*		
EH 257	Water Pollution	5	Spring	Th	9:45-11:15	X	X			
~~EH 262~~	~~Intro to the Work Env~~	~~2.5~~	~~Fall~~	~~M~~	~~2:00-3:30~~			~~X~~	~~X~~	
EH 263	Analytic Methods and Exposure Assessment	5	Spring	MTu	5:30-7:00		X			
EH 278	Human Health and Global Environmental Change	2.5	Spring 2	TuTh	2:00-3:30	X				
~~EH 279~~	~~Radiation Environment: Its Identification, Evaluation & Control~~	~~2.5~~	~~Fall~~	~~M~~	~~2:00-3:20~~	~~X~~		~~X~~	~~X~~	
~~EH 292~~	~~Properties & Behavior of Airborne Particles~~	~~2.5~~	~~Spring~~	~~M~~	~~2:00-3:30~~			X		
EH 297	Atmospheric Environment	5	Spring	WF	11:30-1:00		X			
EH 516	*Environmental Genetics*	*2.5*	*Winter*	*TuWTh*	*9:00-12:00*		*X*			
~~EH 521~~	~~Environmental Cardiology~~	~~1.25~~	~~Fall 2~~	~~Tu~~	~~2:00-3:30~~	~~X~~				
~~*EH 522*~~	~~*Indoor Environmental Quality and Health*~~	~~*2.5*~~	~~*Fall*~~	~~*Th*~~	~~*8:30-10:20*~~		~~*X*~~			
EH 550	Special Topics in Environmental Health	2.5	Winter	TBA	TBA					
EPI 204	Analysis of Case-Control, Cohort and Other Epidemiologic Data	2.5	Spring 2	MW	9:45-11:15	X				
EPI 213	Epidemiology of Cancer	2.5	Spring 1	TuTh	2:00-3:30	X				
EPI 240	*Biomarkers in Epi Research*	*1.25*	*Spring 2*	*M*	*1:30-3:20*	*X*				
EPI 246	Applied Biomarkers in Cancer Epi	2.5	Fall 2	TuTh	2:00-3:30	X				
EPI 247	Epidemiologic Methods Development - Past and Present	2.5	Fall 2	MW	3:45-5:15	X				
EPI 249	Molecular Biology for Epidemiologists	2.5	Fall 1	WF	11:30-1:00	X				

EPI 254	*The Epidemiology of Aging*	*1.25*	*Spring 2*	*TBA*	*TBA*	*X*				
EPI 271	Propensity Score Analysis: Theoretical & Practical Considerations	1.25	Winter	TBA	TBA	X				
EPI 284	*Epidemiology Of Neurologic Diseases*	*2.5*	*Spring 1*	*TuTh*	*3:45-5:15*	*X*				
HPM 206	Economic Analysis	5	Fall	TuTh	11:30-1:00					X
ID 263	Practice of Occupational Health	5	Spring	W	8:00-11:15	X				
ID 263	Practice of Occupational Health	5	Spring	W	8:00-11:15			X		
ID 269	Respiratory Epidemiology	1.25	Fall 2	Th	2:00-3:30	X				
ID 271	Advanced Regression for Environmental Epidemiology	2.5	Spring 1	TuTh	T 2:00-3:30 R 1:00-3:30	X				
RDS 280	Decision Analysis for Health and Medical Practices	2.5	Fall 2	TTuThR	2:00-3:30					X
RDS 282	Economic Evaluation of Health Policy & Program Management	2.5	Spring 2	MW	2:00-3:30					X
RDS 285	Decision Analysis Methods in Public Health and Medicine	2.5	Spring 1	MW	2:00-3:30					X
11.37	Brownfield's Policy & Practice		Fall		See MIT Catalog				X	
1.812J	Reg. of Chemicals, Radiation, and Biotechnology		Spring		See MIT catalog				X	

Environmental Epidemiology (EOME)								
Year 2 Fall - Environmental Epidemiology (EOME)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring 1	***BST 211***	*Risk Factors and Population Health*	2.5	*MWF*	*2:00-3:30*			Lab
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA)- 5.0 credits - is for **all** other students
Fall 2	**EPI 247**	Epidemiologic Methods Development – Past and Present	2.5	MW	3:45-5:15			
		Total Required Credits						
Elective courses chosen in consultation with your advisor (2.5 credits required)								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Environmental Epidemiology (EOME)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			Suggested
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently

		Total Required Credits						
Elective courses chosen in consultation with your advisor (17.5 elective Cr required)								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Environmental Epidemiology (EOME)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Environmental Molecular Epidemiology								
Year 2 Fall - Environmental Molecular Epidemiology								
Semester	**Course Code**	**Course Title**	**Credits**	**Day**	**Time**	**Completed/ Waived**	**Grade**	**Notes**
Required Courses								
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** –(TBA) 5.0 credits - is for **all** other students
		Total Required Credits						
Elective courses chosen in consultation with your advisor (5.0 credits required).								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Environmental Molecular Epidemiology								
Semester	**Course Code**	**Course Title**	**Credits**	**Day**	**Time**	**Completed/ Waived**	**Grade**	**Notes**
Required Courses								
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			

Spring	**ID 263**	Practice of Occupational Health	5	W	8:00-11:15			
Spring	***HPM 292***	*Research Ethics*	*1.25*					
		Total Required Credits						
Elective courses chosen in consultation with your advisor (11.25 elective Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Environmental Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Environmental and Occupational Epidemiology								
Year 2 Fall - Environmental and Occupational Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA) - 5.0 credits - is for **all** other students
		Total Required Credits						
Elective courses chosen in consultation with your advisor (5.0 credits required).								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Environmental and Occupational Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			
Spring	**ID 263**	Practice of Occupational Health	5	W	8:00-11:15			

Spring	***HPM 292***	*Research Ethics*	*1.25*					
		Total Required Credits						
Elective courses chosen in consultation with your advisor (11.25 elective Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Environmental and Occupational Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Environmental and Occupational Molecular Epidemiology								
Year 2 Fall - Environmental and Occupational Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA) - 5.0 credits - is for **all** other students
		Total Required Credits						
Elective courses chosen in consultation with your advisor (5.0 credits required).								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Environmental and Occupational Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			

Spring	**ID 263**	Practice of Occupational Health	5	W	8:00-11:15			
Spring	***HPM 292***	*Research Ethics*	*1.25*					
		Total Required Credits						
Elective courses chosen in consultation with your advisor (11.25 elective Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Environmental and Occupational Molecular Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Ergonomics and Safety (EOME)								
Year 2 Fall - Ergonomics and Safety (EOME)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			
Fall	**EH 241**	Occupational Safety and Injury Prevention	2.5	Th	5:30-7:00			
~~Fall~~	~~EH 243~~	~~Ergonomics/Human Factors~~	~~2.5~~	~~W~~	~~2:00-3:30~~			Cancelled Permanently
		Total Required Credits						
Elective courses chosen in consultation with your advisor (7.5 credits required).								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Ergonomics and Safety (EOME)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			

Spring	**ID 263**	Practice of Occupational Health	5	W	8:00-11:15			
		Total Required Credits						
Elective courses chosen in consultation with your advisor (10 elective Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Ergonomics and Safety (EOME)								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Injury Epidemiology								
Year 2 Fall - Injury Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			
Fall	**EH 241**	Occupational Safety and Injury Prevention	2.5	Th	5:30-7:00			
~~Fall~~	~~EH 243~~	~~Ergonomics/Human Factors~~	~~2.5~~	~~W~~	~~2:00-3:30~~			Cancelled Permanently
		Total Required Credits						
Elective courses chosen in consultation with your advisor (7.5 credits required).								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Injury Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently

Spring	**ID 263**	Practice of Occupational Health	5	W	8:00-11:15			
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			
Spring 1	**ID 240**	Principles of Injury Control	2.5	Th	4:00-6:50			
		Total Required Credits						
Elective courses chosen in consultation with your advisor (7.5 elective Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Injury Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								
Semester	**Course Code**	**Course Title**	**Credits**	**Day**	**Time**	**Completed/ Waived**	**Grade**	**Notes**

Total Elective Credits								
Total Course Credits								

Ph.D. in Occupational Epidemiology								
Year 2 Fall - Occupational Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**BST 213**	Applied Regression for Clinical Research	5	MW	8:00-9:30			
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA) - 5.0 credits - is for **all** other students
		Total Required Credits						
Elective courses chosen in consultation with your advisor (7.5 credits required).								
		Total Elective Credits						
		Total Semester Credits						
Year 2 Spring - Occupational Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
~~Spring~~	~~EH 269~~	~~Exposure Assessment for Environmental and Occupational Epi~~	~~2.5~~					Cancelled Permanently
Spring	**EH 236**	Epidemiology of Environmental & Occupational Health Regulations	5	F	9:45-1:00			

Spring	**ID 263**	Practice of Occupational Health	5	W	8:00-11:15			
		Total Required Credits						
Elective courses chosen in consultation with your advisor (12.5 elective Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Years 3-5 - Occupational Epidemiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective courses chosen in consultation with your advisor (30 elective Cr required).								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

EOME Doctoral Electives												
Course Code	**Course**	**Credits**	**Semester**	**Day**	**Time**	**Environmental Epidemiology**	**Environmental & Occupational Epidemiology**	**Environmental Molecular Epidemiology**	**Environmental/ Occupational Molecular Epidemiology**	**Ergonomics & Safety**	**Injury Epidemiology**	**Occupational Epidemiology**
BE 110	*Physiological Systems Analysis*	*4 (FAS)*	*Fall*	*MW*	*11:30-1:00*					*X*		
BST 211	*Risk Factors and Population Health*	*2.5*	*Spring 1*	*MWF*	*2:00-3:30*		*X*	*X*	*X*		*X*	
BST 212	Survey Research Methods in Community Health	2.5	Spring	W	3:45-5:15	X	X	X	X		X	
BST 213	Applied Regression for Clinical Research	5	Fall	MW	8:00-9:30	*	*	*	*	*	*	*
BST 222	Basics of Statistical Inference	5	Fall	TuTh	8:00-9:30	*	*	*	*	*	*	*
BST 223	Applied Survival Analysis	5	Spring	TuTh	9:45-11:15	*	*	*	*	*	*	*
BST 226	Applied Longitudinal Analysis	5	Spring	TuTh	2:00-3:30	*	*	*	*	*	*	*
BST 233	Methods II	5	Spring	MW	8:00-9:30	X	X	X	X			X
BST 245	Analysis of Multivariate and Longitudinal Data	5	Fall	TuTh	11:30-1:00	X	X	X			X	X
BST 247	*Advanced Statistical Genetics*	*2.5*	*Spring 2*	*MW*	*3:45-5:15*	*X*			*X*			
~~*EH 201S*~~	~~*Intro to Environmental Health*~~	~~*2.5*~~	~~*Summer 2*~~	~~*MTuWThF*~~	~~*1:30-3:20*~~	~~*X*~~	~~*X*~~	~~*X*~~	~~*X*~~		~~*X*~~	~~*X*~~
~~EH 202~~	~~Principles of Environmental Health~~	~~2.5~~	~~Spring 1~~	~~TR~~	~~9:45-11:15~~	~~X~~	~~X~~	~~X~~			~~X~~	~~X~~
EH 208	*Pathophysiology of Human Disease*	*5*	*Spring*	*MW*	*2:00-3:30*	*X*	*X*	*X*	*X*			*X*

EH 232	Introduction to Occupational & Environmental Medicine	2.5	Spring	F	8:00-9:30	X	X	X	X			X
EH 241	Occupational Safety and Injury Prevention	2.5	Fall	Th	5:30-7:00		X	X	X			X
~~EH 243~~	~~Ergonomics/Human Factors~~	~~2.5~~	~~Fall~~	~~W~~	~~2:00-3:30~~		~~X~~	~~X~~	~~X~~			~~X~~
EH 250	*Protecting Workers & Communities from Hazardous Substances*	*2.5*	*Spring*				*X*	*X*	*X*			*X*
EH 257	Water Pollution	5	Spring	TuTh	9:45-11:15	X						
EH 263	Analytical Methods and Exposure Assessment	5	Spring	MTu	5:30-7:00	X	X		X		X	X
EH 277	*Genetic Epidemiology & Gene Mapping*	*2.5*	*Spring 1*			*X*						
EH 278	Human Health and Global Environmental Change	2.5	Spring 2	TuTh	2:00-3:30	X	X	X	X			X
~~EH 279~~	~~Radiation Environment: Its Identification, Evaluation & Control~~	~~2.5~~	~~Fall~~	~~M~~	~~2:00-3:20~~	~~X~~						
EH 281	*Occupational Health Care Delivery*	*2.5*	*Winter*								*X*	
~~*EH 282*~~	~~*Injury Epidemiology and Prevention*~~	~~*2.5*~~	~~*Spring 2*~~	~~*F*~~	~~*1:30-3:20*~~		*X*	*X*	*X*	*X*		*X*
~~EH 292~~	~~Properties and Behaviors of Airborne Particles~~	~~2.5~~	~~Spring~~	~~M~~	~~2:00-3:30~~		X	X	X		X	X
EH 295	*Air Pollution & Energy Processes*	*5*	*Spring*								*X*	
EH 296	*Occupational Biomechanics*	*5*	*Spring*							*X*		
EH 298	Environmental Epigenetics	2.5	Spring 2	TuTh	2:00-3:30	X		X	X		X	X
EH 504	Principles of Toxicology	2.5 or 5.0	Fall	MW *or* TBA	9:45-11:15 *or* TBA					X	X	
EH 510	Fundamentals of Human Environmental Exposure Assessment	2.5	Fall 2	TuTh	2:00-3:30	X						
EH 515	*Critical Readings: Mechanisms of Health Effects by Air Pollution*	*1.25*	*Winter*								*X*	

~~EH 521~~	~~Environmental Cardiology~~	~~1.25~~	~~Fall 2~~	~~Tu~~	~~2:00-3:30~~	~~X~~	~~X~~	~~X~~	~~X~~			~~X~~
~~*EH 523*~~	~~*Work, Health, and Productivity*~~	~~*2.5*~~	~~*Winter*~~	~~*MTuWThF*~~	~~*1:00-4:00*~~		~~*X*~~	~~*X*~~	~~*X*~~			~~*X*~~
EH 550	Special Topics in Environmental Health	2.5	Winter	TBA	TBA							
EH 570	*Research Design in Environmental Health*	*2.5*	*Spring*				*X*	*X*	*X*			*X*
EPI 201	Introduction to Epidemiology: Methods I	2.5	Fall 1	TuTh	9:45-11:15 or 11:30-1:00					X		
EPI 202	Epidemiologic Methods 2: Elements of Epidemiologic Research	2.5	Fall 2	TuTh	9:45-11:15 or 11:30-1:00					X		
EPI 203	Study Design in Epidemiology Research	2.5	Spring 2	TuTh	3:45-5:15	X				X		
EPI 204	Analysis of Case-Control, Cohort and Other Epidemiologic Data	2.5	Spring 2	MW	9:45-11:15					X		
EPI 205	Practice of Epidemiology	2.5	Fall	F	2:00-3:30						X	
EPI 207	Advanced Epidemiologic Methods	2.5	Fall 1	MW	3:45-5:15		X	X	X		X	X
EPI 213	Epidemiology of Cancer	2.5	Spring 1	TuTh	2:00-3:30	X	X	X	X		X	X
EPI 221	Pharmacoepidemiology	2.5	Fall 1	MW	2:00-3:30						X	
EPI 240	*Biomarkers in Epidemiology Research*	*1.25*	*Spring 2*	*M*	*1:30-3:20*	*X*	*X*	*X*	*X*		*X*	*X*
EPI 246	Applied Biomarkers in Cancer Epidemiology	2.5	Fall 2	TuTh	2:00-3:30	X			X		X	
EPI 247	Epidemiologic Methods Development – Past and Present	2.5	Fall 2	MW	3:45-5:15	X	X	X	X		X	X
EPI 249	Molecular Biology for Epidemiologists	2.5	Fall 1	WF	11:30-1:00	X	X	X	X		X	X
EPI 250	*Molecular Epidemiology of Chronic Diseases*	*2.5*	*Fall 2*			*X*		*X*			*X*	
EPI 251	*Studies in Molecular Epidemiology*	*1.25*	*Spring 1*								*X*	

EPI 254	*The Epidemiology of Aging*	*1.25*	*Spring 2*	*TBA*	*TBA*	*X*						
EPI 269	Reproductive and Perinatal Epidemiology I	2.5	Fall 2	TuTh	2:00-3:30		X	X	X		X	X
EPI 271	Propensity Score Analysis: Theoretical & Practical Considerations	1.25	Winter	TBA	TBA	X						
EPI 284	*Epidemiology of Neurologic Diseases*	*2.5*	*Spring 1*	*TuThTR*	*3:45-5:15*	*X*						
EPI 285	*Industrial Ecology & Life Cycle Analysis*	*5*				*X*						
EPI 287	*Epidemiology of Reproductive Morbidity*	*1.25*	*Fall 2*								*X*	
EPI 294	*Screening*		*Spring*			*X*	*X*	*X*	*X*			*X*
HPM 292	*Research Ethics*	*1.25*	*Spring*							X		
ID 214	Nutritional Epidemiology	2.5	Spring	F	9:45-11:15						X	
ID 263	Practice of Occupational Health	5	Spring	W	8:00-11:15	X						
ID 269	Respiratory Epidemiology	1.25	Fall 2	Th	2:00-3:30	X	X	X	X		X	X
ID 271	Advanced Regression for Environmental Epidemiology	2.5	Spring 1	TuTh	T 2:00-3:20 R 1:00-3:30	X	X	X	X		X	X
RDS 500	Risk Assessment	2.5	Fall 1	TuTh	2:00-3:30	X	X	X	X		X	X

Ph.D. in Bioengineering								
Year 2 Fall - Bioengineering								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring 1	***BST 211***	*Risk Factors and Population Health*	*2.5*	*MWF*	*2:00-3:30*			*Lab*
Fall	**EH 512**	Interdisciplinary Training in Pulmonary Sciences Part I	2.5	TuF	Tu 9:45-10:45 F 1:00-2:00			
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA) - 5.0 credits - is for **all** other students
~~Fall~~	~~EH 305~~	~~Laboratory Rotation~~						Cancelled in 2019-2020
		Total Required Credits						
Elective courses chosen in consultation with your advisor (12.5 Cr required).								
		Total Elective Credits						
		Total Semester Credits						

Year 2 Spring - Bioengineering								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring	**EH 513**	Interdisciplinary Training in Pulmonary Sciences Part II	2.5	TF	Tu 9:45-10:45 F 1:00-2:00			
~~Spring~~	~~EH 305~~	~~Laboratory Rotation~~						Cancelled in 2019-2020
		Total Required Credits						
Elective & TA Courses. 12.5 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								
		Total Elective & TA Credits						
		Total Semester Credits						

Years 3-5 - Bioengineering								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective & TA Courses. 12.5 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								

Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

Ph.D. in Environmental Physiology								
Year 2 - Environmental Physiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA) - 5.0 credits - is for **all** other students
One of the following courses:								
Fall Spring	**EH 512** **EH 513**	Interdisciplinary Training in Pulmonary Sciences Part I Interdisciplinary Training in Pulmonary Sciences Part II	2.5 2.5	TuF	Tu 9:45-10:45 F 1:00-2:00			
		Total Required Credits						
Elective courses chosen in consultation with your advisor (Optional)								
		Total Elective Credits						
		Total Year Credits						
Year 3-5 - Environmental Physiology								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective Courses								

Total Elective Credits								
Total Course Credits								

Ph.D. in Mechanisms of Disease								
Year 2 Fall - Mechanisms of Disease								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring 1	***BST 211***	*Risk Factors and Population Health*	*2.5*	*MWF*	*2:00-3:30*			*Lab*
Fall	**EH 512**	Interdisciplinary Training in Pulmonary Sciences Part I	2.5	TuF	Tu 9:45-10:45 F 1:00-2:00			
Fall	**EH 504**	Principles of Toxicology	2.5 *or* 5 *(see note)*	MW *or* TBA	9:45-11:15 *or* TBA			**Section 1** (MW 9:45-11:15) - 2.5 credits - is **only** for those students with a prior medical degree. **Section 2** (TBA) - 5.0 credits - is for **all** other students
~~Fall~~	~~EH 305~~	~~Laboratory Rotation~~						Cancelled in 2019-2020
		Total Required Credits						
Elective courses chosen in consultation with your advisor (12.5 Cr required)								
		Total Elective Credits						
		Total Semester Credits						

Year 2 Spring - Mechanisms of Disease								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Required Courses								
Spring	**EH 513**	Interdisciplinary Training in Pulmonary Sciences Part II	2.5	TuF	Tu 9:45-10:45 F 1:00-2:00			
~~Spring~~	~~EH 305~~	~~Laboratory Rotation~~						Cancelled in 2019-2020
		Total Required Credits						
Elective & TA Courses. 12.5 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								
		Total Elective & TA Credits						
		Total Semester Credits						

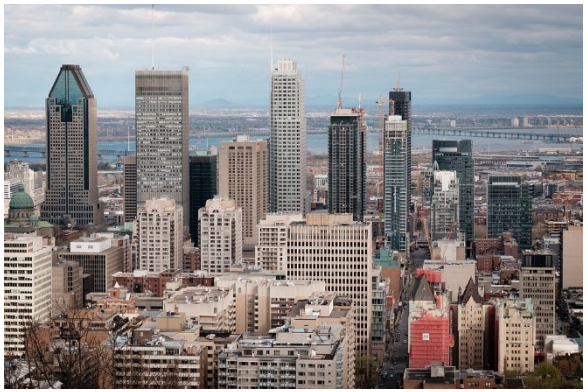
Years 3-5 - Mechanisms of Disease								
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
Elective & TA Courses. 12.5 elective Cr required; 7.5 total TA Cr required for graduation. Electives chosen in consultation with your advisor.								

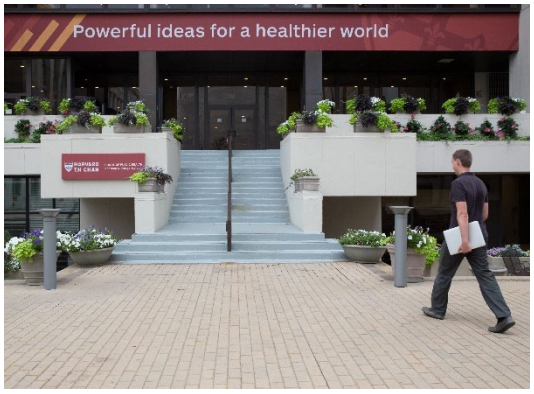
Semester	Course Code	Course Title	Credits	Day	Time	Completed/ Waived	Grade	Notes
		Total Elective Credits						
		Total Course Credits						

MIPS Electives									
Course Code	**Course**	**Credits**	**Semester**	**Day**	**Time**	**Bioengineering**	**Cell & Molecular Bio**	**Mechanisms of Disease**	**Physiology**
BCMP 200	Principles of Molecular Biology	4 (FAS)	Fall	MWF	10:45-12:14	X	X	X	X
BCMP 201	*Proteins: Structure, Function, and Catalysis (BCMP 250?)*								*X*
BPH 206	Advanced Respiratory Physiology	4 (FAS)	Fall						X
CELLBIO 201	Principles of Cell Biology	4 (FAS)	Spring	MWF	10:30-11:59	X	X	X	X
~~*EH 201S*~~	~~*Intro to Environmental Health*~~	~~*2.5*~~	~~*Summer 2*~~	~~*MTuWThF*~~	~~*1:30-3:20*~~				
~~EH 202~~	~~Principles of Environmental Health~~	~~2.5~~	~~Spring 1~~	~~TR~~	~~9:45-11:15~~			~~X~~	
EH 225	*Advanced Topics in Physiology*		*Spring*						*X*
EH 232	Introduction to Occupational and Environmental Medicine	2.5	Spring	F	8:00-9:30				
~~EH 243~~	~~Ergonomics/Human Factors~~	~~2.5~~	~~Fall~~	~~W~~	~~2:00-3:30~~	~~X~~			~~X~~
EH 256	*Introduction to Aerobiology*	*2.5*	*Fall*	*F*	*1:30-3:20*			*X*	
EH 278	Human Health and Global Environmental Change	2.5	Spring 2	TuTh	2:00-3:30				
~~*EH 290*~~	~~*Research in Physiology*~~	~~*2.5*~~				*X*	*X*	*X*	*X*
~~EH 292~~	~~Properties and Behaviors of Airborne Particles~~	~~2.5~~	~~Spring~~	~~M~~	~~2:00-3:30~~			X	
EH 297	Atmospheric Environment	5	Spring	WF	11:30-1:00			X	

EH 504	Principles of Toxicology	2.5 or 5	Fall	MW *or* TBA	9:45-11:15 or TBA	X	X	X	X
EH 550	Special Topics in Environmental Health	2.5	Winter	TBA	TBA				
GEN 201	*Principles of Genetics*	*5*	*Fall*	*MWF*	*9:00-10:20*	*X*	*X*	*X*	*X*
ID 215	Environmental and Occupational Epidemiology	2.5	Spring	W	2:00-3:30				
IMMUN 201	*Principles of Immunology*	*5*	*Fall*	*TuTh*	*1:30-3:59*	*X*	*X*	*X*	*X*
MICRO 200	Microbiology & Pathogenesis	4	Spring	MWF	10:45-12:15	X	X	X	X
2.37	*Molecular Mechanics*				*See MIT Catalog*	*X*	*X*	*X*	*X*
20.410J	*Molecular, Cellular, & Tissue Biomechanics*		*Spring*		*See MIT Catalog*	*X*	*X*	*X*	*X*

• Bioengineering • Mechanisms of Disease • Environmental Physiology • Environmental and Occupational Epidemiology • Ergonomics and Safety • Environmental Epidemiology • Injury Epidemiology and Prevention • Environmental Molecular Epidemiology • Occupational and Environmental Medicine • Environmental and Occupational Molecular Epidemiology • Environmental Exposure Assessment • Occupational Epidemiology • Risk and Decision Sciences • Environmental Health • Occupational Health • Occupational and Environmental Health and Safety • Sustainability, Health, and the Global Environment • Occupational Hygiene • Cell and Molecular Biology • Physiology





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