



HARVARD
T.H. CHAN

SCHOOL OF PUBLIC HEALTH

Department of Nutrition

Public Health Nutrition

2015-2016 Program Guide

Doctor of Science (SD) Degree Program

Public Health Nutrition Program Guide

Academic Year 2015-2016

Please Note: These guidelines are provided to supplement those published in the Harvard School of Public Health Student Handbook and Information for Doctoral Students.

GENERAL INFORMATION

Harvard School of Public Health
Department of Nutrition
665 Huntington Ave
Boston, MA 02115

Academic Coordinator
Stefanie Dean, MPH, RD, LDN
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617.432.1528

PHN Program Director
Kirsten Davison, M.S., Ph.D
kdavison@hpsph.harvard.edu
617.432.1898

PHN Program Coordinator
Alyssa Aftosmes-Tobio, MPH
aaftosme@hsph.harvard.edu
617.432.2044

PHN Practicum Coordinator
Teresa Fung, M.S., ScD
tfung@hsph.harvard.edu
617-521-2712

ADMISSIONS

Students admitted to this program are required to have a general background in the nutrition, behavioral sciences and/or public health. A graduate degree is desirable, but not required. Successful completion of program requirements leads to a SD (ScD) degree.

PROGRAM DESCRIPTION

Students will combine principles and practices from nutrition and social and behavioral science to develop, implement and evaluate programs and policies that promote optimal nutrition and population health and well-being. Students will be skilled in quantitative and qualitative methods, program development and evaluation, health disparities, health behavior change and health policy. The program includes the following components:

- Formal course work
- Research practicum
- Seminars
- Oral Exams
- Dissertation Defense

Core Skills & Learning Objectives

Students are expected to gain comprehensive academic and applied knowledge in five core skill areas:

- Nutrition science and principles
- Translation of science into practice
- Analytic skills and research methods
- Policy and leadership
- Cultural competency

The learning objectives for each skill area are outlined below. Students will be evaluated on their completion of each learning objective through their Departmental Exam and Thesis Defense.

1. Nutrition Science and Principles

Learning Objectives:

- a. Describe the biological basis of nutrition and the mechanisms by which diet can influence health;
- b. Identify, implement and accurately interpret a range of nutrition and physical activity assessment techniques;
- c. Explain current and emerging nutrition trends and their implications for public health;

- d. Apply an interdisciplinary perspective on nutrition in domestic and international settings to research practicum and thesis work.

2. Translation of Science into Practice

Learning Objectives:

- a. Identify and explain behavior change principles and strategies;
- b. Translate research into programs and policies to support optimal nutrition and health;
- c. Outline approaches for developing feasible and sustainable nutrition interventions;
- d. Apply theoretical models to the design, implementation, and evaluation of nutrition interventions;
- e. Implement formative, process and impact evaluations to assess nutrition interventions.

3. Analytic Skills and Research Methods

Learning Objectives:

- a. Critically evaluate research and develop new hypotheses leading to innovations in nutrition and health;
- b. Show use of biostatistical principles in research design and data collection, management, analysis, and interpretation;
- c. Assess novel research questions using a broad range of quantitative and qualitative methodological skills;
- d. Describe nutrition data sources and explain their utility in testing causal relationships between nutrition and health;
- e. Apply principles of cost/benefit and cost effectiveness analyses.

4. Policy and Leadership

Learning Objectives:

- a. Demonstrate knowledge of federal, state and local government structures and processes that shape nutrition policies, services and the food industry;
- b. Engage stakeholders in collaborative efforts to promote nutrition in diverse populations;
- c. Communicate results and implications of nutrition research to diverse audiences.

5. Cultural Competency

Learning Objectives:

- a. Critically assess the origins of health disparities defined by gender, race/ethnicity, socioeconomic position, etc., their roots in social and economic inequities, and their impact on social justice and population health;
- b. Illustrate health literacy and describe its relevance to interventions and policies;
- c. Outline strategies to develop culturally competent nutrition interventions at the individual, family, community and societal levels.

Selection of Advisors

At program entry, students will be assigned a faculty advisor from the nutrition department. PHN-affiliated faculty with secondary appointments in the nutrition department will also be eligible as advisors. Advisors will meet with students on a regular basis during the first two years of study to advise them on the selection of coursework and practicum experiences. When a thesis topic is identified, a new advisor with specific knowledge in the research area may be assigned.

Double Major with the Department of Social & Behavioral Sciences

SD doctoral students now have the option to complete a double major in Nutrition and Social and Behavioral Sciences (SBS). This course of study will bridge the interests of students who are interested in applying the principles of human nutrition to their research using social and behavioral research methods, or to program management and intervention work. Interested applicants will apply to only one department, either Nutrition or SBS. Accepted students will then apply to the second department during their first year of study. Admission into one department and/or indication of interest in the double major *does not* guarantee acceptance into the second department. In this program, student would declare two majors (Nutrition and SBS) and one minor field of study. Students can expect to add one to two semesters of coursework to their program of study, and must meet all requirements of both departments. Current students who are in their first year of study may also apply to the double major. For more information, please contact the PHN Program Coordinator.

FORMAL COURSE WORK

The major field of study will be Nutrition. In addition, all students will **select Epidemiology, Biostatistics or Social and Behavioral Methods** as one of their two minor fields of study. The **second minor field** will be chosen in consultation with the faculty advisor. The courses listed below for the minor fields of study are *recommended*, but not required. If a student would like to use a course not listed here for either of their minors, they can submit the course description to their advisor for approval.

Students will complete 20.0 credits in departmental courses (to fulfill their major in Nutrition) and 22.5 credits in concentration-specific courses. Concentration specific courses will focus largely on social and behavioral health, and include courses in social and behavioral research methods, health behavior theory, health disparities, program planning and evaluation and health policy. With the exception of SBS245, students will have a choice of courses in each of these content areas (for example courses, see *Appendix A*).

Public Health Nutrition students are expected to take either BIO210[†] or BIO211[†] as one of their required Intermediate Biostatistics courses (as required by HSPH).

Students with advanced standing (such as those already holding an advanced degree) may have certain course requirements waived if equivalent courses have been completed. Waiver petitions must be approved by the Committee on Admissions and Degrees (for school-wide requirements only) or the Department.

Departmental Courses

__ NUT201	Principles of Nutrition	2.5
__ NUT202	Science of Human Nutrition	5.0
__ NUT203	Nutrition Seminar Part I	1.25
__ NUT205	Advanced Topics in Nutrition	2.5
__ NUT206	Nutrition Seminar Part II	1.25
__ NUT209	Seminars in Food and Technology	2.5
__ ID214	Nutritional Epidemiology [†]	2.5
__ EPI202	Elements of Epidemiologic Research [†]	2.5

Concentration-specific Courses

__ ID238	Programs & Principles of Public Health Nutrition	2.5
__ SBS245	Social & Behavioral Research Methods [†]	5.0
__ Various	Advanced Topics in Public Health Nutrition	2.5
__ Various	Social and Behavioral Science requirements*	12.5
	Theory	
	Health Disparities	
	Program Planning and Evaluation	
	Policy	

* Students will select a minimum of one course per content area, for a total of 12.5 credits (see *Appendix A*)

[†] Indicates prerequisite or special requirement for the listed course (a full list of these pre-requisites is available from the Program Coordinator)

Biostatistics Minors (Select a minimum of 5.0 credits)

The 5.0 credits from BIO210 or BIO211 can count towards this minor.

__ BIO212	Survey Research Methods in Community Health	2.5
__ BIO213	Applied Regression for Clinical Research [†]	5.0
__ BIO214	Principles of Clinical Trials	2.5
__ BIO222	Basics of Statistical Inference [†]	5.0
__ BIO245	Analysis of Multivariate and Longitudinal Data [†]	5.0

Epidemiology Minors (Select a minimum of 7.5 credits)

The 2.5 credits from EPI202 can count towards this minor.

__ EPI203	Study Design in Epidemiology Research†	2.5
__ EPI204	Analysis of Case-control and Cohort Studies†	2.5
__ EPI213	Epidemiology of Cancer	2.5
__ EPI222	Genetic Epidemiology of Diabetes and Obesity†	2.5
__ EPI223	Cardiovascular Epidemiology I	2.5
__ ID206	Scientific Writing in Nutrition and Epidemiology	2.5
__ ID221	Nutritional Epidemiology II†	2.5

Social and Behavioral Methods (minimum of 10.0 credits)

__ BIO212	Survey Methods	2.5
__ SBS231	Community Intervention Research Methods	2.5
__ SBS265	Program Planning, Design and Evaluation	2.5
__ SBS288	Qualitative Research Methods in Public Health	2.5
__ SBS501	Community-based participatory research	2.5

Areas of Study for Second Minor (minimum 10.0 credits)

The following are examples of interdisciplinary concentrations which students can count as a minor field of study:

Maternal and Child Health	Women, Gender and Health
Health Communication	Public Health Leadership
Nutrition and Global Health	Obesity Epidemiology and Prevention

For more information on possible minor fields of study, visit: <http://www.hsph.harvard.edu/academics/>.

PRACTICUM

In order to gain experience applying health research methods (with a specific emphasis on data collection and analysis) early in their residency, students will be required to complete two 5-credit research practicums prior to the end of their second year. Students will plan, execute and evaluate their practicum in collaboration with nutrition or PHN-affiliated faculty. Students will have the option of: (1) Working with faculty in the context of an ongoing faculty-led research study and/or in collaboration with a community partner (see Example 1); or (2) working directly with a community agency or partner to conduct primary data collection with oversight from a faculty member (see Example 2).

Example 1: A student leads the implementation of a faculty-led pilot study to integrate evidence-based obesity prevention approaches into a home visiting program.

Example 2: A student works with a local food bank to (a) identify barriers and facilitators to the utilization of food bank services among residents of a local public housing complex, and (b) present modifications to the delivery of food bank services and other recommendations to target the identified barriers and facilitators.

Students will register for the following courses:

__ NUT308-1	Practicum	5.0
__ NUT308-2	Practicum	5.0

If students enter the Public Health Nutrition program with significant research or work experience, it is possible to waive one of the two practicum requirements. This decision will be made by the Practicum Coordinator, in conjunction with Dr. Davison and the student's faculty advisor.

SEMINARS

Attendance at the Human Nutrition and Nutritional Epidemiology Seminars is **mandatory**. These are held on Mondays and focus on applied areas of Nutrition, work-in-progress presentations, or presentations by invited speakers. For upcoming seminar information, visit the Nutrition Department website:

<http://www.hsph.harvard.edu/nutrition/monday-nutrition-seminars/>

FORMAL EVALUATION (OUTSIDE OF COURSEWORK)

Nutrition Departmental Oral Comprehensive Examination Guidelines:

1. **Overview:** The Departmental Oral Comprehensive Examination tests the student's general knowledge in the major field of nutrition and in his/her minor fields. In addition, the student will be questioned on topics related to his/her research experiences and/or future research plans. Although a formal research proposal is not required for this examination, students will outline two key research areas of interest. The examiners will assess the student's preparation for doctoral-level research by asking him/her to formulate research approaches to the research areas selected. The overall objective of this examination is to ascertain if the student is qualified to continue in the doctoral program and to determine whether he/she is ready for the School qualifying examination. The latter is normally taken shortly after the Departmental Examination.
2. **Timing:** Students entering the doctoral program without prior graduate study will normally take the Departmental Examination during their third or fourth semester. Students who have previously completed a Master's Degree in Nutrition, or completed a Master's Degree within HSPH, are usually expected to take the Departmental Oral Examination at the end of the first year of their doctoral program. In all cases, this examination must be taken no later than two months before the doctoral program deadline for the School's oral qualifying examination.
3. **Examining Committee:** The Examining Committee shall be composed of three nutrition faculty members. The student's advisor can be present for the examination, not as an examiner or judge, but as an observer. The advisor will leave the ultimate decision of pass/fail to the members of the examination committee. The examining committee will include at least one faculty member affiliated with public health nutrition.

Additional information: Faculty members will be invited to express an opinion about the student's abilities to the Committee before the examination. Prior to the examination, the Committee shall meet to discuss the areas of questioning for the examination. The advisor will procure the student's file and transcript from the Registrar's Office to familiarize the Committee with the student's background and academic performance. The examination shall be open to all faculty of the Department of Nutrition. The student shall initiate the meeting by summarizing current research activities for a maximum of 10 minutes. Following the exam, the Examining Committee will prepare a written evaluation of the student's performance.

Doctoral Qualifying Examination

This examination is described in the Harvard School of Public Health document, "Information for Doctoral Students." The examination must be taken no later than the end of the fourth term of study and will focus on the student's proposed thesis research. In the Nutrition Department, the student's advisor cannot be a member of the doctoral qualifying exam committee.

Doctoral Research Committee

The thesis advisor, in consultation with the student and with the approval of the Department Chairperson, will nominate a research committee to oversee the student's progress. The committee will consist of the thesis advisor (chairperson) and at least two other faculty members. These faculty members normally will have served as members of the student's doctoral qualifying exam committee.

Doctoral Thesis Defense

After completing and passing both the departmental and oral qualifying examinations, Nutrition doctoral students become **doctoral candidates** and engage in an original research study conducted by the candidate after approval by the dissertation committee.

Note on implementation: Because dissertation papers are often longer and involve more analyses than the final submitted versions of the same research, students may wish to receive committee approval for the version to be included in the dissertation, and then revise/simplify the paper for journal submission. Some analyses included in the dissertation version of the paper may be included as appendices in the submitted paper. The submitted paper may include additional authors not on the committee and may require revisions that are not incorporated into the thesis version.

We encourage students to consider the process required for submitting the paper as they are organizing their timeline for dissertation research. In extenuating circumstances, for example long delays introduced by co-author

review, the student's research advisor can waive this requirement and approve the defense prior to paper submission.

PROGRAM ADMINISTRATION

Financial Aid

The Department of Nutrition does not guarantee funding. However, we do have some funding for students who need financial aid. If you are applying and need financial aid, please indicate that in your application. Decisions about funding are based on merit and need, and made at the time of admission. Additionally, the department has an NIH training program in Nutritional Science which allows us to fund 2 pre-doctoral and 3 post-doctoral students a year.

The Student Financial Aid office is a resource for students as well. Their web site is <http://www.hsph.harvard.edu/administrative-offices/student-financial-services/>. If you have more questions, please contact **Katrina Soriano** at kwright@hsph.harvard.edu.

Tuition support

Tuition support will be provided during the academic year (September-May), when available, for a maximum of five years. The department will not assume responsibility for payment of tuition for courses taken during the summer.

Stipends

Stipend support, for first and second year students, when offered, will be based on availability, merit, and/or financial need. After the first two years, every effort will be made to provide stipend support for doctoral students in Public Health Nutrition for the duration of their studies through faculty research grants and/or departmental funds. Students who do not receive financial support from the department and who can demonstrate financial need may be eligible for school grants administered by the Financial Aid Office.

Teaching Assistantships

The Department of Nutrition has the following policy for paying TAs:

- 2.5 credit course pays \$1,700.00.
- 5 credit course pays \$2,300.

Fellowship awards

Fellowship awards are subject to the following restrictions:

1. The awarding of tuition and stipend will follow the contingencies specified in the official letter of acceptance from the Director of Admissions of the Harvard School of Public Health.
2. Fellowship support will be forfeited if funds are received from another source.
3. Students must be full-time in the department and maintain good academic standing.
4. Students must demonstrate satisfactory performance in research.

Contact **Stefanie Dean**, sdean@hsph.harvard.edu, for more information. Also visit the Student Financial Aid Office website: <http://www.hsph.harvard.edu/administrative-offices/student-financial-services>

HSPH Office of Student Financial Services, 708 Huntington Avenue, Boston, MA 02115

Phone: 617-432-1867 Fax: 617-432-5431 Email: osfs@hsph.harvard.edu

Questions on the Public Health Nutrition Program may be directed to Dr. Kirsten Davison (Director) or Alyssa Aftosmes-Tobio (Program Coordinator). Questions specific to the Public Health Nutrition Practicum should be directed to Dr. Teresa Fung (Practicum Coordinator).

PUBLIC HEALTH NUTRITION FACULTY

Program Director

Kirsten Davison, M.S., Ph.D., Donald and Sue Pritzker Associate Professor of Nutrition and Associate Professor of Social and Behavioral Sciences

HSPH Bldg. 2, Rm. 331; 617-432-1898; kdavison@hsph.harvard.edu

- Families and child health
- Family-centered interventions for obesity prevention
- Parenting effects on youth physical activity and screen-based activities
- Development and application of conceptual models for obesity prevention
- Program evaluation; longitudinal research designs

Practicum Coordinator

Teresa Fung, M.S., Sc.D., Adjunct Professor of Nutrition

HSPH Bldg. 2, Room 305; tfung@hsph.harvard.edu

- Cancer epidemiology
- Cancer risk in women
- Impact of dietary patterns on chronic disease risk

Faculty with Appointments in Nutrition Department

Eric Rimm, ScD., Associate Professor of Epidemiology, Associate Professor of Nutrition

HSPH Bldg. 2, Rm. 373a; 617-432-1843; eric.rimm@hsph.harvard.edu

- Cardiovascular epidemiology
- Diet and prevention of ischemic heart disease
- Men's Lifestyle Validation Study

Christina Roberto, Assistant Professor of Social and Behavioral Sciences, Assistant Professor of Nutrition

HSPH, Kresge Building, Room 617; 617-432-7454; croberto@hsph.harvard.edu

- Prevention of obesity and eating disorders
- Food Policy
- Food marketing and labeling
- Behavioral nudges

Matt Gillman, Professor in Nutrition

HSPH, 655 Huntington Ave.; 617-421-6011; matthew_gillman@hms.harvard.edu

- Early life prevention of chronic disease, especially obesity, diabetes, cardiovascular disease and asthma

Clifford Lo, MPH, M.D., ScD., Associate Professor of Nutrition

Children's Hospital, 300 Longwood Ave.; 617-355-7612; Clifford.lo@tch.harvard.edu

- Parenteral nutrition
- Vitamin D and calcium metabolism
- Micronutrients in pediatric patients
- Nutritional assessment

David Ludwig, Professor of Nutrition

Children's Hospital, 300 Longwood Ave; david.ludwig@childrens.harvard.edu

- Treatment of childhood obesity in clinical and community settings
- Glycemic index
- Sugar-sweetened beverage consumption in children

Elsie Taveras, MPH, MD, Associate Professor of Nutrition

etaveras@partners.org

- Diet, physical activity, and weight determinants in childhood
- Obesity prevention interventions

- Relationship between sleep restriction/deprivation and weight gain in children

**Emily Oken, Associate Professor of Population Medicine, Associate Professor of Nutrition
HMS, Department of Ambulatory Care and Prevention; 617-509-9835; Emily_oken@hphc.org**

- Influence of nutrition during pregnancy and childhood on maternal and child health

**Lilian Cheung, D.Sc., Director, Health Promotion and Communication
HSPH Bldg. 2, Room 325; 617-432-1086; lcheung@hsph.harvard.edu**

- Promotion of healthy eating and active living for chronic disease prevention
- School-based programming to promote nutrition and physical activity
- Workplace health
- Mass media use in health messaging and campaigns

Faculty with Appointments in Other Departments and Harvard Schools

**S. Bryn Austin, S. M., Sc.D., Associate Professor in the Department of Social and Behavioral Sciences.
Division of Adolescent and Young Adult Medicine, Children's Hospital; 617-355-8194;
bryn.austin@childrens.harvard.edu**

- Population-based approaches to the prevention of eating disorders
- Designing and evaluating school-based nutrition and physical activity interventions
- Lesbian, gay, bisexual and transgender health

**Laura Bogart, Associate Professor of Pediatrics
General Pediatrics, Wolbach 2; Laura.bogart@childrens.harvard.edu**

- Obesity prevention in school-based settings
- Community-based participatory research
- Health disparities
- Social psychology

**Cara Ebbeling Assistant Professor of Pediatrics
Division of Endocrinology, 6th Floor; 617-355-2379; cara.ebbeling@childrens.harvard.edu**

- Behavioral counseling for promoting dietary change for children, adolescents and adults
- Using self-report methodology to assess diet and physical activity.

**Alison Field, Associate Professor of Pediatrics; Associate Professor in Epidemiology
Children's Hospital, 6th Floor; 617-355-3735; Alison.Field@childrens.harvard.edu**

- Overweight, weight gain, and eating disorders in children, adolescents and adult women

**Steven Gortmaker, M.S., Ph.D., Professor of Social and Behavioral Sciences
Kresge Room 720; 617-432-1029; sgortmak@hsph.harvard.edu**

- Statistical evaluation methods
- Socioeconomic position and child health
- Social, behavioral, environmental, and policy influences on obesity and other chronic conditions
- School, community and primary-care based interventions to improve nutrition and physical activity and prevent obesity in children and youth

Program Affiliates

**Emily Broad Leib, Clinical Instructor and Director, Food Law & Policy Program; Lecturer on Law
Harvard Law School, Legal Services Center; ebroad@law.harvard.edu**

- Food law and policy and implications for access to healthy foods and the prevention of diet-related diseases

**Angie Cradock, Senior Research Scientist, Deputy Director of Prevention Center
Landmark Ctr, Room 441; 617-384-8730; acradock@hsph.harvard.edu**

- Built environment

- Children's physical activity
- School-based interventions for obesity prevention

Appendix A. Example courses to fulfill concentration-specific requirements

Advanced Topics in Public Health Nutrition	Credits	Semester Offered
__NUT212: Systems Science in Public Health	1.25	Winter Session
__NUT226: Nutrition and Food Policy	1.25	Fall/Spring
__NUT217: Global Nutrition	2.5	Summer
__ID217: Global Health and Nutrition	2.5	Spring
__SBS501: Community-based Participatory Action Research	2.5	Spring 2
Social & Behavioral Science: Theory	Credits	Semester Offered
__SBS221: Psychosocial Theories in Health & Health Behavior	5.0	Spring
__SBS506: Disease Distribution Theory A	2.5	Fall 1
__SBS507: Disease Distribution Theory B	2.5	Fall 2
Social & Behavioral Science: Health Disparities	Credits	Semester Offered
__SBS207: Race ethnicity and health	2.5	Spring 1
__SBS275: Health Literacy	2.5	Fall 1
__SBS298: Issues in Minority Health Policy	2.5	Not Offered
__ID513: Ethics and Health Disparities	2.5	Spring 1
Social & Behavioral Science: Program Planning & Evaluation	Credits	Semester Offered
__SBS265: Program Planning: Design and Evaluation	2.5	Spring 2
__SBS231: Community intervention research methods	2.5	Spring 1
__ID550: Program Evaluation	2.5	Not Offered
Social & Behavioral Science: Policy	Credits	Semester Offered
__GHP229: Theories and Methods Health Politics	5.0	Fall
__HPM210: U.S. Health Policy	2.5	Fall 2
__HPM213: Public Health Law	2.5	Spring 1
__HPM247: Political Analysis for Health Policy	5.0	Spring
__SBS246: Issues in MCH Programs and Policies	2.5	Spring 1
__SBS296: Leadership in Minority Health Policy	2.5	Fall

Appendix B. Fall 2014-Spring 2015 Academic Year Course Offerings

HSPH Courses		
Introductory Epidemiology (select one, 2.5 credits)		
EPI200: Principles of Epidemiology	2.5	Not offered
EPI201: Epidemiologic Methods I	2.5	Fall 1
EPI208: Intro to Clinical Epidemiology	2.5	Not offered
EPI500: Fundamentals of Epidemiology	2.5	Fall 1
EPI505: Epidemiologic Methods for Global Health	2.5	Not offered
Introductory Biostatistics (select one)		
BIO200: Principles of Biostatistics	5.0	Fall
BIO201: Intro to Statistical Methods	5.0	Fall
Intermediate Biostatistics (select two, 10.0 credits)		
**BIO210: Analysis of Rates and Proportions [†]	5.0	Fall, Spring
**BIO211: Regression and Analysis of Variance [†]	5.0	Fall
BIO213: Applied Regression for Clinical Research [†]	5.0	Fall
BIO222: Basics of Statistical Inference [†]	5.0	Fall
BIO223: Applied Survival Analysis [†]	5.0	Spring
BIO226: Applied Longitudinal Analysis [†]	5.0	Spring
Nutrition Courses (20.0 credits)		
NUT201: Principles of Nutrition	2.5	Fall 2
NUT202: Science of Human Nutrition	5.0	Spring
NUT203: Nutrition Seminar Part I (P/F)	1.25	Fall
NUT205: Advanced Topics in Nutrition	2.5	Fall
NUT206: Nutrition Seminar Part II (P/F)	1.25	Spring
NUT209: Seminars in Food and Technology	2.5	Fall
ID214: Nutritional Epidemiology [†]	2.5	Spring
EPI202: Epidemiologic Methods II [†]	2.5	Fall 2
Public Health Nutrition Courses (25.0 credits)		
ID238: Programs and Principles in PHN	2.5	Spring 2
SBS245: Social and Behavioral Research Methods	5.0	Fall
Advanced Topics (must total 2.5 credits)		
NUT212: Systems Science in PH	1.25	Winter
NUT226: Nutrition and Food Policy (P/F)	1.25	Fall, Spring
NUT217: Global Nutrition	2.5	Summer
ID217: Nutrition and Global Health	2.5	Spring
SBS501: CBPAR	2.5	Spring 2
Theory		
SBS221: Psychosocial Theories in Hlth [†]	5.0	Spring
SBS506: Disease Distribution Theory A	2.5	Fall 1
SBS507: Disease Distribution Theory B [†]	2.5	Fall 2
Health Disparities		
SBS201: Society and Health	2.5	Fall 1
SBS207: Race, Ethnicity and Health	2.5	Spring 1
SBS275: Health Literacy	2.5	Fall 1
SBS298: Issues in Minority Hlth Policy	2.5	Spring
ID513: Ethics and Hlth Disparities	2.5	Spring 1
SBS506: Disease Distribution Theory A	2.5	Fall 1
SBS507: Disease Distribution Theory B [†]	2.5	Fall 2
Program Planning & Evaluation		
SBS265: Prog Planning, Design & Eval	2.5	Spring 2
SBS501: CBPAR	2.5	Spring 2
ID550: Program Evaluation	2.5	Not Offered
HPM543: Quant. Methods in Prog Eval [†]	2.5	Spring 2
Policy		
SBS298: Issues in Minority Hlth Policy	2.5	Spring

GHP229: Theories Hlth Politics	2.5	Fall
HPM210: Intro to US Hlth Policy	2.5	Fall 2
HPM213: Public Health Law	2.5	Spring 1
SBS246: Issues in MCH Progs & Policy	2.5	Spring 1
SBS296: Leadership in Minority Hlth Pol	2.5	Fall
Minor Courses (minimum 10.0 credits)		
Biostatistics		
BIO212: Survey Research Methods in Community Health	2.5	Spring
BIO213: Applied Regression for Clinical Research†	5.0	Fall
BIO214: Principles of Clinical Trials	2.5	Spring 1
BIO222: Basics of Statistical Inference†	5.0	Fall
BIO245: Analysis of Multivariate and Longitudinal Data†	5.0	Spring
Epidemiology		
EPI203: Study Design in Epidemiology Research†	2.5	Spring 2
EPI204: Analysis of Case-control and Cohort Studies†	2.5	Spring 2
EPI213: Epidemiology of Cancer	2.5	Spring 1
EPI222: Genetic Epidemiology of Diabetes and Obesity†	2.5	Not offered
EPI223: Cardiovascular Epidemiology I	2.5	Fall 2
ID206: Scientific Writing in Nutrition and Epidemiology	2.5	Spring
ID221: Nutritional Epidemiology II	2.5	Fall
Social and Behavioral Methods		
BIO212: Survey Research Methods in Community Health	2.5	Spring
SBS231: Community Intervention Research Methods	2.5	Spring 1
SBS265: Program Planning, Design and Evaluation	2.5	Spring 2
SBS288: Qualitative Research Methods in Public Health	2.5	Fall 1
SBS501: Community-based Participatory Action Research	2.5	Spring 2