

**Faculty of Health
Sciences (FHS)**

Faculty of Health Sciences (FHS)

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Roua Dalli	Research Assistant (Accreditation Unit)

Historical Background

The Faculty of Health Sciences (FHS) was first established in 1954 as an independent School of Public Health, the first of its kind in the region. The name of the school was changed to the Faculty of Health Sciences in 1978 to accommodate programs in allied health.

Currently, FHS hosts four departments: Epidemiology and Population Health (EPH), Environmental Health (EH), Health Promotion and Community Health (HPCH), Health Management and Policy (HMP), and a Division of Health Professions hosting three programs in collaboration with the Faculty of Medicine: Medical Laboratory Sciences, Medical Audiology Sciences, and Medical Imaging Sciences. FHS offers a BS degree in: Environmental Health, Medical Laboratory Sciences, Medical Imaging Sciences, and Medical Audiology Sciences; a Graduate Public Health Program, including an MS degree in Public Health (MPH) (concentrations in Epidemiology and Biostatistics, Health Promotion and Community Health, and Health Management and Policy); an MS in Epidemiology; and an MS in Population Health. FHS also offers an MS in Environmental Sciences-major: Environmental Health (as part of an Interfaculty Graduate Environmental Sciences Program), and an Executive Master in Health Care Leadership. In addition, FHS provides courses in public health to students in the Faculty of Medicine.

Accreditation

The Graduate Public Health Program (GPHP) of the Faculty of Health Sciences became accredited by the Council on Education for Public Health (CEPH) in 2006 and was reaccredited in 2012 for seven years. CEPH is an independent agency in the United States, which is recognized for accrediting schools and programs of public health in the US and internationally. The GPHP at FHS was the first graduate public health program to be accredited by CEPH outside the Americas. Accreditation indicates that the GPHP of the FHS meets standards for Public Health Education of leading schools and programs of public health in the world.

Mission

The Faculty of Health Sciences prepares professionals in the disciplines of public health and health sciences through graduate and undergraduate programs, and trains future physicians in public health. It contributes to knowledge and the improvement of the public's health in the region by conducting scholarly and relevant interdisciplinary research and responding to priority health issues and training needs in collaboration with stakeholders. In all its functions, FHS promotes and adheres to the principles of ethics, social justice, and collective responsibility.

Vision

The Faculty of Health Sciences is the leading school of public health in the region serving the wellbeing of people and communities by conducting research and service that influence policy and practice and by preparing competent health professionals who are agents of change in society.

Through its vital regional role in knowledge production and advocacy for social justice, FHS aspires to shape the global public health discourse.

Graduate Programs

Graduate Public Health Program (GPHP)

Mission Statement

The Graduate Public Health Program at FHS provides advanced training in public health to prepare professionals, both practitioners and academicians, to competently assess, research, and respond to the health needs and public health issues in Lebanon and the region. The program applies multidisciplinary and community-based research as well as community service to improve instruction, to advance knowledge, and to address the public health issues and needs of the population served.

GPHP Value Statement

Our teaching, research, and service are guided by core values. These values derive from our context as a school of public health in a developing world setting and from basic principles of professional conduct and human rights.

These values are as follows:

- We are committed to cultivating critical thinking that allows us and our graduates to question reality and tackle the root causes of health problems.
- We believe in equality among people and act to enhance health equity by focusing on underserved communities, and working for social justice.
- We believe that each of us has a role to play in advancing knowledge and improving health, and we work to instill a sense of civic responsibility.
- We focus our efforts on our region of the world to bring to light local/regional health issues and to enhance our relevance.
- Our work is reinforced by our commitment to integrity and professional ethics.
- Recognizing the complexity of health, we value teamwork, interdisciplinary engagement, and partnerships with stakeholders.
- We believe in integrating our instruction, research, and service to bring theory and practice together for maximum impact.
- We believe that diversity in our faculty and students and in our practice sites enhances our ability to understand the perspectives and the circumstances that influence health, and thus create change.
- We are committed to excellence in all we do, and believe our faculty and alumni provide leadership and vision to improve the health of people and communities.

Admission

Master of Public Health (MPH)

Admission Requirements

A candidate is eligible to be considered for admission to the MPH program if s/he (a) holds a bachelor's degree from AUB or an equivalent degree from another recognized institution with a cumulative average of at least 75 and an average of at least 80 or its equivalent in the major field of study, or (b) holds a graduate degree from AUB or another recognized institution with a cumulative average of 80 or its equivalent.

A candidate with a major and cumulative average of at least 75, but less than 80, may be considered for admission on probation if s/he holds a bachelor's degree from AUB or an equivalent degree from another recognized institution. When only a cumulative average is available, the applicant will qualify for this category if her/his average is between 75 and 80.

On an exceptional basis only and upon the recommendation of the Department, an applicant with a cumulative average below 75 can be considered for admission as a non-degree graduate student. The concerned department has to provide the GSC with a clear justification for its recommendation.

A student registered as a non-degree graduate student can register for a minimum of 7 and a maximum of 12 core and concentration credits in the relevant department and must obtain a cumulative average of at least 85 in the registered courses to be considered for admission into the MPH program. The average of all the completed courses should be evaluated for admission into the MPH program.

Spring/Mid-year admissions are accepted on a case-by-case basis if places are available. Students admitted at mid-year may only register as part-timers.

Students who have had significant prior experience in a health-related field may be exempt from a 2-credit hour practicum. Applications for exemption are assessed on a case-by-case basis (see policy on exemption). In the case exemption is granted, the course but not the credits are exempted.

Students who join the program as full-timers can complete requirements within a minimum of a year and a half. A candidate who wishes to enroll as a part-time student may do so provided s/he completes the program requirements within a period of four years.

On an exceptional basis, students with a valid justification may petition the Graduate Studies Committee for approval to complete the program within an intensive format of 12 months' duration.

Selection Criteria

Applicants to the MPH program must specify the area of concentration of their choice by priority on the application form. Admission into the concentration areas within the MPH program is based on the following criteria:

- **Choice of Faculty:** Priority for consideration for admission goes to applicants who indicate FHS as their first choice.
- **Choice of Concentration:** Priority for consideration for admission in a concentration area goes to applicants indicating that concentration as their first choice.
- **Grade Point Average:** Normally, priority for consideration for admission goes to applicants with a higher grade point average.

Other factors taken into consideration include background diversity (prior degree and previous academic institution), geographic diversity, years and type of work experience, personal statement, recommendation letters, and interview when applicable.

Master of Science in Epidemiology

For full details on admission requirements to the Master of Science in Epidemiology, see the Admissions section of this catalogue. Mid-year admissions are only accepted for part-time students.

Master of Science in Population Health¹

For full details on admission requirements to the Master of Science in Population Health, see the Admissions section of this catalogue. Mid-year admissions are only accepted for part-time students.

¹ Currently frozen

Master of Science in Environmental Sciences

Major: Environmental Health

For full details on the admission requirements for this interfaculty program, see the Admissions section of this catalogue and the admission policies for the Interfaculty Graduate Environmental Sciences Program IGESP (page 564).

Graduation Requirements

All recommendations for graduation are made by vote of the faculty on the recommendation of the Graduate Studies Committee.

Master of Public Health (MPH)

To be eligible for graduation in the MPH program, a student must accomplish the following:

- pass all required courses with a minimum grade of 70,
- earn a cumulative average of at least 80, and
- successfully complete a minimum of 42 credit hours.

Credit requirements for the MPH program are tabulated below:

Course Type	Credits
Required core	19
Required concentration	12-13
Required public health experience	6
Electives ¹	4-5
Total number of credits required for graduation	42

Master of Science in Epidemiology (MS-EPID)

For information regarding graduation requirements, refer to the General University Requirements in this catalogue.

Credit requirements for the MS in Epidemiology are tabulated below:

Course Type	Credits
Required	21
Electives	3
Thesis	6
Total number of credits required for graduation	30

¹ Depends on concentration

Master of Science in Population Health (MS-PopH)

Enrolment on this program is currently frozen.

For information regarding graduation requirements, refer to the General University Requirements in this catalogue.

Credit requirements for the MS in Population Health are tabulated below:

Course Type	Credits
Required	21
Electives	3
Thesis	6
Total number of credits required for graduation	30

Master of Science in Environmental Sciences (Major: Environmental Health)

For information regarding graduation requirements, refer to the General University Requirements in this catalogue.

Credit requirements are tabulated below.

Course Type	Credits
Core (outside the faculty)	6
Core (inside the faculty)	9
Electives ¹	9-12
Project/Thesis	3/6
Total number of credits required for graduation	30

Academic Rules and Regulations

Master of Science in Epidemiology, Master of Science in Population Health and Master of Science in Environmental Sciences (Major: Environmental Health)

Credit Load

A full-time student must carry a minimum load of 9 credits per semester. Students can register for up to 12 credits per semester. Students who wish to register for more than 12 credits must petition the Graduate Studies Committee for approval.

For full information on academic rules and regulations and general requirements for the Master of Science in Epidemiology, Master of Science in Population Health, and Master of Science in Environmental Sciences (Major: Environmental Health), refer to the General University Policy section in this catalogue.

¹ Thesis track students are required to take 9 credits and those in the project track are required to take 12 credits. Students who do not have an Environmental Health background are required to take ENHL 300 and ENHL 308 (totaling 3 credits) as part of their elective courses.

Master of Public Health Program

Credit Load

A full-time student must carry a minimum load of 12 credits per semester. Students can register for up to 18 credits per semester. Students who wish to register for more than 18 credits must petition the Graduate Studies Committee for approval.

A part-time student must carry a minimum load of 5 credits per semester. Students who wish to register for less than 5 credits must petition the Graduate Studies Committee for approval.

Policy on Course Registration

All core courses are offered in the fall semester. Three of the core courses (ENHL 300, HPCH 315, and IPEC 300) are also offered in the spring semester. All concentration courses are offered in the spring semester. Students can register for concentration courses only upon completion of the core course(s) in their concentration area.

Public Health Experience courses consist of four main courses that are usually offered in the fall and spring: Practicum, Research Project 1, Research Project 2, and Culminating Experience. Students can register for the Practicum and Culminating Experience courses with only one core and/or one concentration course along with the seminar course, as long as the course(s) not yet taken does/(do) not consist of material needed to effectively undertake activities of the Practicum or Culminating Experience courses. Students can register for the Research Project 1 upon completion of, or when simultaneously enrolled in, PBHL 310, EPHD 300, and EPHD 310. Students can register for Research Project 2 upon completion of Research Project 1. In addition, students must have completed all or all but one of the concentration courses, not counting the seminar course, as long as the course not yet taken does not consist of material needed to undertake effectively the activities of the Research Project 1 and Research Project 2 courses.

Policy on Changing Concentration

The MPH program has three options for concentration: Epidemiology and Biostatistics (EPBS), Health Promotion and Community Health (HPCH), and Health Management and Policy (HMP). Every year, a quota for admissions is set for each. Students are accepted into the program in a particular concentration area. Students may petition to transfer to another area of concentration. Petitions are reviewed in current and prospective departments in light of student academic performance, justification for transfer, and implications on the quota. The final decision is made by the Graduate Studies Committee. Students cannot transfer to another concentration before the grades of the first semester of enrolment in the current concentration are released.

Policy on Exemption

Course Exemption

Exemption from a required FHS course may only be considered when the student has proof that s/he has satisfactorily completed a comparable course in a recognized university normally with a minimum grade of 80 or the equivalent. The requirement of this particular course may be waived but not its credits (i.e., the candidate has to replace the exempted course credits with another course or courses having the same number of credits). The course instructor may require that the petitioning student take an exam in order to demonstrate proficiency in the subject prior to the official registration period for the required course. In cases where students want to take a course in another faculty and equate it for a required course in the MPH program, the

course instructor (or relevant department chairperson) must approve the petition for equating courses prior to the student registering for the course. Request for course exemption for MPH students is only possible if the student completed the course in which exemption is sought within 5 years from the exemption request date. MPH students are allowed to be exempted from a maximum of 6 graduate credits.

Practicum Exemption

In cases where students are judged to have had prior public health experience that is both relevant and sufficient to their chosen area of concentration, they may be exempted from the practicum. Decisions related to exemption are based on the submission of an exemption form to the FHS practicum coordinator, along with a two-page report describing the applicant's previous work experience (responsibilities and duties) in fulfillment of departmental practicum competencies (at least three of the applicant's concentration competencies and at least two of the MPH core competencies). Students seeking exemption must submit both the Practicum Exemption Form and the Report by the second week of the regular semester preceding their practicum term. Decision on practicum exemption must be made in the department concerned prior to the advising period of the student's practicum term. In cases where students are exempted from the practicum, they must still complete 42 credit hours to graduate from the MPH program. The practicum exemption approval must be in the student's file prior to their registering for the Culminating Experience (CE).

Policy on Transfer of Credits

For courses taken outside FHS or outside AUB

A transfer of credits may be considered when the student has satisfactorily completed a course with a minimum grade of 80 or equivalent at a recognized university, faculty, or program. The transferred credits are accepted in lieu of credits earned in a comparable course in FHS. Request for transfer of credits for MPH students is only possible if the student completed the course in which transfer is sought within the previous 5 years from the transfer request date.

The number of credits that can be transferred cannot exceed 12 credits of comparable courses at FHS.

For courses taken within FHS, a transfer of credits may be considered for all passed courses.

Procedure for Exemption and Transfer of Credits

To be exempt from or to transfer courses, the candidate should petition the Graduate Studies Committee and attach the following official documents after consulting with the advisor.

- a letter of request for exemption and/or transfer,
- the official catalogue of the transferring institution,
- a detailed description of course content and syllabus, and
- an official statement of records/grades earned for the course(s).

For both the exemption from and transfer of credits, the transferring university must be deemed to have comparable academic standards to those of AUB.

The chairperson of the department offering the course should seek the opinion of the course instructor(s) and the departmental members in writing and then submit the recommendation of the department, along with the supporting documents, to the FHS Graduate Studies Committee for final approval.

Probation

Placement on Probation

A student is placed on probation if one of the following occurs:

- s/he fails in any graduate course taken for credit (passing grade is 70) or
- s/he fails to obtain a minimum cumulative average of 80 in graduate courses.

Part-timers can only be evaluated after completion of at least 10 credits. Their cumulative average is evaluated every semester thereafter.

A student with an admission score (major and cumulative averages) of at least 75, but less than 80, will be admitted on probation.

Removal of Probation

A full-time student will be removed from probation at the end of a semester if s/he has passed all courses and attained a cumulative average of 80.

Part timers are first evaluated after completion of at least 10 credits. Their cumulative average is evaluated every semester thereafter.

Dismissal from the Program

A student on probation may be dismissed upon the recommendation of the Graduate Studies Committee if one of the following occurs:

- s/he fails to be removed from probation after one semester or its equivalent for part-timers (10 credit hours) or
- the Graduate Studies Committee regard the student as not having made satisfactory academic progress, not having shown sufficient professional promise, or as not having behaved in accordance to the norms and values upheld by FHS and AUB.
- Placement on probation more than once (not counting the probation at admission time).

Curricula

Master of Public Health

The Master of Public Health (MPH) curriculum is composed of three principal elements: core courses, concentration courses and public health experience courses. Core courses emphasize critical public health competencies. Concentration courses provide students with an opportunity to specialize in a chosen discipline of public health. The public health experience courses provide an opportunity to practice the knowledge and skills acquired from the coursework (core and concentration courses) into hands-on experience that is then synthesized and linked to core and concentration competencies.

Students enrolled in the MPH program may choose to specialize in one of three different disciplines of Public Health: Epidemiology and Biostatistics, Health Promotion and Community Health, and Health Management and Policy (Health Service Management track).

I. Core Courses (Required of all MPH Students)

Core Courses			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
HPCH	310	Social and Behavioral Foundations of Public Health	2	2	3
ENHL	300 ¹	Introduction to Environmental Health	2	0	2
PBHL	310	Research Design	2	2	3
EPHD	300 ²	Principles of Epidemiology	2	2	3
EPHD	310 ³	Basic Biostatistics	2	2	3
HMPD	300	Health Care Systems	2	2	3
HPCH	315	Basics of Health Communication	0	2	1
IPEC	300	Inter-Professional Education and Collaboration	1	1	1

II. Concentration Courses

A. Epidemiology and Biostatistics (EPBS)

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Concentration Courses					
EPHD	312	Analysis of Continuous Data	2	2	3
EPHD	313	Analysis of Categorical Data	2	2	3
EPHD	320	Design and Analysis of Epidemiological Studies	2	2	3
EPHD	323	Epidemiology of Communicable and Non-Communicable Diseases	3	0	3
EPHD	340	Seminar	1	0	0
Required Public Health Experience Courses					
EPHD	345A	Research Project 1	0	1	1
EPHD	345B	Research Project 2	0	1	1
EPHD	365 ⁴	Practicum	0	30	2
PBHL	355	Orientation to the Practicum Site			0
PBHL	398 ⁵	Culminating Experience			2

Students in this group should take at least 5 credits of electives to complete their credit requirements.

¹ Students who hold a BS degree in EH from FHS are automatically exempted from ENHL 300. The course credits should be replaced by an elective in EH.

² Students who have taken EPHD 203/226 may be exempted from EPHD 300 provided they take an exam before the end of the drop and add period. The course credits should be replaced by an elective.

³ Students who have taken EPHD 225 may be exempted from EPHD 310 provided they take an exam before the end of the drop and add period. The course credits should be replaced by an elective.

⁴ Students may be exempted from doing the practicum if they have sufficient health related experience in their concentration area.

⁵ This course replaces the comprehensive exam requirement.

B. Health Promotion and Community Health (HPCH)

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Concentration Courses					
HPCH	331	Theory and Practice in Health Promotion	3	0	3
HPCH	332	Community Health and Development	2	0	2
HPCH	333	Health Communication	2	0	2
HPCH	334	Qualitative Health Research	2	0	2
HPCH	335	Evaluation of Health Programs	2	0	2
HPCH	336	Advocacy for Health	1	0	1
HPCH	340	Seminar	1	0	0
HPCH	344	Workshop Development	1	0	1
Required Public Health Experience Courses					
HPCH	345A	Research Project 1	0	1	1
HPCH	345B	Research Project 2	0	1	1
HPCH	365 ¹	Practicum	0	30	2
PBHL	355	Orientation to the Practicum Site			0
PBHL	398 ²	Culminating Experience			2

Students in this group should take at least 4 credits of electives to complete their credit requirements.

**C. Health Management and Policy (HMP)
Health Service Management Track**

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Concentration Courses					
HMPD	311	Health Information Systems	2	0	2
HMPD	315	Performance Improvement	3	0	3
HMPD	318	Policy and Decision Making in Health Care	3	0	3
HMPD	342	Financial Management and Accounting	3	0	3
HMPD	351	Healthcare Economics and Finance	2	0	2
HMPD	340	Seminar	1	0	0
Required Public Health Experience Courses					
HMPD	345A	Research Project 1	0	1	1
HMPD	345B	Research Project 2	0	1	1
HMPD	365A ¹	Practicum	0	30	2
PBHL	355	Orientation to the Practicum Site			0
PBHL	398 ²	Culminating Experience			2

Students in this group should take at least 4 credits of electives to complete their credit requirements.

¹ Students may be exempted from the practicum if they have sufficient health-related experience in their concentration area.

² This course replaces the comprehensive exam requirement.

Master of Science in Epidemiology

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses					
PBHL	300	Foundations of Public Health	2	2	3
PBHL	310	Research Design	3	0	3
EPHD	300	Principles of Epidemiology	3	0	3
EPHD	310	Basic Biostatistics	3	0	3
EPHD	313	Analysis of Categorical Data	2	2	3
EPHD	320	Design and Analysis of Epidemiological Studies	2	2	3
EPHD	323	Epidemiology of Communicable and Non-Communicable Diseases	3	0	3
EPHD	340	Seminar	1	0	0
EPHD	395	Comprehensive Exam			0
Electives					
EPHD	312	Analysis of Continuous Data	2	2	3
EPHD	321	Design and Analysis of Clinical Trials	1	2	2
EPHD	322	Special Topics in Epidemiology	2	0	2
EPHD	324	Special Topics in Biostatistics	–	–	1-3
Students should take at least 3 credits of electives.					
Thesis					
EPHD	399	Thesis			6

Master of Science in Population Health¹

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses					
PBHL	300	Foundations of Public Health	2	2	3
PBHL	310	Research Design	3	0	3
EPHD	300	Principles of Epidemiology	3	2	3
EPHD	310	Basic Biostatistics	2	2	3
EPHD	313	Analysis of Categorical Data	2	2	3
EPHD	331	Population Change and Health	3	0	3
EPHD	334	Reproductive Health	3	0	3
EPHD	340	Seminar	1	0	0
EPHD	395	Comprehensive Exam			0
Electives					
EPHD	312	Analysis of Continuous Data	2	2	3
EPHD	324	Special Topics in Biostatistics	–	–	1-3

¹Currently Frozen

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
EPHD	332	Population and Health Policy	3	0	3
EPHD	333	Special Topics in Population Health	3	0	3
Students in this group should take at least 3 credits of electives.					
Thesis					
EPHD	399	Thesis			6

Master of Science in Environmental Sciences (Major: Environmental Health)

Course Type			Credits
A. Core Courses Inside the Faculty			9
ENHL	310	Toxicology and Environmental Health Hazards	3
EPHD	300	Principles of Epidemiology	3
PBHL	300	Foundations of Public Health	3
B. Core Courses Outside the Faculty¹			6
ENSC	600	Air Pollution and Control I	3
ENSC	610	Solid Waste Management I	3
ENSC	620	Water and Wastewater Treatment Technology	3
ENSC	630	Natural Resources Management	3
ENSC/	650	International Environmental Policy	3
PSPA	316		
ENSC	660	Environmental Technology	3
C. Electives²			9-12
D. Thesis or Project			3-6
ENSC 699		Thesis	6
ENSC 697		Project	3
Total number of credits required for graduation			30

Interdisciplinary Courses

PBHL 300 Foundations of Public Health 2.2; 3 cr.
 This course explores the field of public health, its foundations, disciplines, values and ethics. The course develops students' analytical thinking through cooperative learning techniques and case studies. Case studies of global and regional public health issues are analyzed in relation to each of the core disciplines of public health (biostatistics, environmental health, epidemiology, health management and policy, health promotion). *Corequisite: EPHD 300.*

¹ Students are required to select two courses from the list of core courses offered outside FHS. The two courses have to be offered by two different faculties

² Thesis track students are required to take 9 credits and those in the project track are required to take 12 credits. Students who do not have an Environmental Health background are required to take ENHL 300 and ENHL 308 (totaling 3 credits) as part of their elective courses.

PBHL 302 Implementation Research for Public Health**3.0; 3cr.**

The course serves as an introduction to implementation research, the use of a systematic approach to investigate and address barriers to effective health interventions. The need for implementation science is widely recognized, particularly in settings where health systems are weak, and where relevant stakeholders need to be mobilized to articulate problems, identify bottlenecks and formulate possible solutions. The course will review the global health initiatives that have built on implementation research to inform policies and programs. The key elements of the implementation research framework will be defined, including the selection of research questions that are relevant to improving programs, the use of multi-disciplinary approaches to research; attention to the context of health interventions; involvement of stakeholders; consideration of different approaches to the design of studies; and mindfulness of ethical issues. Several international players have developed materials to encourage the use of research to inform programs and facilitate interventions. These include the Tropical Disease Research (TDR) program of the World Health Organization, in partnership with the UNDP, the World Bank and Unicef; USAID and the Measure-Evaluation project; the National Institutes of Health on implementation science; the WHO Alliance for Health Policy and Systems Research; the Population Council; the Global Fund to fight AIDS, TB and Malaria; and the US PEPFAR (President's Emergency Plan for AIDS Relief). Selected materials from these sources will be used as appropriate. In addition, case studies focused on specific diseases, with special attention to the diseases of poverty, will be used to analyze health issues in context, and to illustrate key components of the implementation research framework. The course is open to graduate students who have acquired basic research skills and can apply them to specific issues. Through readings and case studies, students will learn about the key building blocks of operational research and how to frame health issues in terms of implementation research. They will then develop a project where they articulate a research problem, identify possible barriers that hinder health improvement, select the appropriate study design to investigate them, and think about the ethical aspects of the work. *Prerequisite: PBHL 310. Co-requisite: EPHD 300.*

PBHL 310 Research Design**2.2; 3 cr.**

This course discusses principles of research design and the methods used in both quantitative and qualitative social research methodologies in the public health field. Topics include formulation of research questions, literature review, sampling issues, methods of data collection and analysis. Practical ethical issues in research are also discussed.

PBHL 320 Special Topics in Public Health**1-3 cr.**

A course that explores special topics, contexts, populations, or skills that influence public health practice and research. The course is focused on applied experiences, dialogue and discussion, and critical thinking. *Repeated for credit under different topics. Offered occasionally.*

PBHL 355 Orientation to the Practicum Site**0 cr.**

This course orients students to the health program or health care facility where they will be conducting their practicum. Students rotate among divisions within the health care organization they choose, get insight into the philosophical underpinnings of the program or facility, understand the mission and objectives of the program or organization, and interact with staff and clients in an informal or more structured manner.

PBHL 398 Culminating Experience 2 cr.

The seminar is a venue where students and faculty discuss and reflect upon the practicum (or work) experiences of students. Through this interaction, the interdisciplinary nature of public health is emphasized. Issues discussed include the public health significance, impact, and relevance of all the practicum projects (or related work experiences for those exempt from practicum). Students should be prepared to receive and give feedback on each other's work. The culminating experience process is intended to develop each student's project, as well as to continue to develop and demonstrate students' ability to think broadly, not only about their own work, but also about the work of others. This course replaces the comprehensive exam required for MS graduate studies. *Prerequisites: PBHL 355 and completion of all, or all but one, of the core and/or concentration courses.*

Interdepartmental Courses

IDTH 210 Fundamentals of Medical Research¹ 40.10; 3 cr.

This course provides first year medical students with their first exposure to research methodology. Fundamental principles and concepts of evidence-based medicine, epidemiology and biostatistics are presented and discussed.

IDTH 215 Becoming a Doctor-3: Global Health and Social Medicine¹ 21.21; 2 cr.

This course introduces students to central issues in the practice of social medicine and global health and the connection between them. It examines how social forces become embodied as pathologies, how political, economic, and historic trends influence the distribution of disease among different populations, and how new trends in the organization of care affect the most vulnerable members of society.

IDTH 268 Clerkship in Preventive Medicine and Public Health¹ 10.80

A clerkship in which teams of senior medical students assess, critique, and propose solutions to problems of public health or clinical significance. The students examine policy, organizational, social, and individual challenges to these problems, addressing issues such as equity in health and setting public health programs, and identifying opportunities for change. Data collection and statistical analysis are secondary objectives.

IPEC 300 Inter-Professional Education and Collaboration 1.1; 1 cr.

This is a required course for third-year medical, senior undergraduate nursing and Masters of Public Health students, and it aims at demonstrating how population health is best promoted and safe, patient-centered care is best provided through a collaborative health teams approach. The course will be based on cases designed by faculty members belonging to the three aforementioned disciplines, on topics on which inter-professional partnership is necessary. Discussion groups combining students from all three professions will be moderated by faculty members from the three professions. Students will learn the roles and responsibilities of other health professions and how to function in interprofessional teams. *Prerequisites: For MPH students: completion of all, or all but one, of the concentration course. Undergraduate nursing students must be in their senior year and medical students in their third year. Enrolment by other students is possible upon the approval of the course coordinator.*

¹ Public Health courses taught by FHS in the Faculty of Medicine.