



Faculty of Health Sciences (FHS)

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Moueen Salameh	Registrar
Salim Kanaan	Director of Admissions
Hilda Nassar	Medical Librarian
Karma El Hassan	Director, Office of Institutional Research and Assessment

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.

FHS serves to educate and train professionals and competent leaders to help meet the health needs of Lebanon and the region. Currently, FHS hosts four departments: Epidemiology and Population Health (EPH), Environmental Health (EH), Health Behavior and Education (HBE), Health Management and Policy (HMP), and a Medical Laboratory Technology Program in collaboration with the Faculty of Medicine. FHS offers a BS degree in Health Sciences (major: Environmental Health or Medical Laboratory Technology); a Master's degree in Public Health (MPH) (concentrating in EPBS-Epidemiology and Biostatistics, HBE, or HMP); an MS in Epidemiology; an MS in Population Health; and an MS in Environmental Sciences (concentrating in EH). FHS also provides courses in public health to students in the Faculty of Medicine.

Accreditation

In October 2006, the Graduate Public Health Program of the Faculty of Health Sciences became accredited by the Council on Education for Public Health (CEPH). CEPH is an independent agency in the United States which is recognized to accredit schools of public health. The GPHP at FHS is 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 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 introduces future physicians to public health. It contributes to knowledge and the improvement of the public's health in Lebanon and the region by conducting scholarly and relevant research and by responding to priority health issues and training needs in collaboration with stakeholders. In all of its functions, FHS promotes and adheres to the principles of ethics, social justice, and collective responsibility.

Vision

The vision of FHS is to contribute to the promotion of the health and well being of populations through the provision of quality higher education in public health and related disciplines. This is accomplished through state-of-the-art research that addresses public health problems particularly relevant to Lebanon, the region, and the developing world, as well as through transfer of that knowledge to policy makers, program managers, and other practitioners in relevant organizations and fields.

Graduate Programs

GPHP Mission Statement

The Graduate Public Health Program at FHS provides advanced training in public health to prepare professionals, both practitioners and academicians, who can competently assess, research, and respond to health needs and current public health issues in Lebanon and the region. The Program promotes multidisciplinary and community based research as well as community service as means to improve instruction, advance knowledge, and address public health issues along with needs of relevance to 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 translated by us 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

A candidate is eligible to be considered for admission to the MPH program if s/he holds a bachelor's degree from AUB, or an equivalent degree from another recognized institution, with a cumulative average of at least 80 or its equivalent in the major field of study. When only a cumulative average is available, the applicant will qualify for regular admission if his/her average is 80 or more.

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 his/her average is between 75 and 80.

Mid-year admissions are accepted on a case-by-case basis if space allows. Students admitted at mid-year may only register as part-timers.

Students entering the MPH program are evaluated on their previous experience in a health-related field and may be exempt from a 3-credit hour practicum. Applicants for exemption are assessed on a case-by-case basis (see policy on exemption).

A candidate who wishes to enroll as a part-time student may do so provided s/he completes the requirements within a period of four years.

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 Health

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.

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 (pp. 37-42, 411).

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

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
- successfully complete a minimum of 42 credit hours

Course Type	Credits
Required Core	19
Required concentration*	12-13
Required public health practice*	3-6
Electives	4-8
Total number of credits required for graduation	42

Master of Science in Epidemiology

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

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

* depends on concentration

Master of Science in Population Health

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

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

Academic Rules and Regulations

Master of Science in Epidemiology or Population 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 Academic and Curriculum committee for approval.

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

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 Academic and Curriculum committee for approval.

A part-time student must carry a minimum load of 5 credits per semester. Students who wish to register for fewer than 5 credits must petition the Academic and Curriculum committee for approval.

Policy on Course Registration

MPH students are not allowed to register for more than 6 credits of electives outside FHS without completing a minimum of 12 credits in the program.

Core courses are offered in the fall semester. All concentration courses are offered in the spring semester. All students must begin their studies toward the MPH with at least HBED 310 and the core course(s) in their area of concentration.

Policy on Changing Concentration

The MPH program has three options for concentration: Epidemiology and Biostatistics, Health Behavior and Education, Health Management and Policy. Additionally, students with at least five years of work experience in public health practice may be eligible to apply to a customized MPH program. The customized MPH program allows students to take courses in two concentration areas.

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 number of students in the concentration area.

Policies and Procedures on Exemption and Transfer of Credits

Policy on Exemption

Course Exemption

Exemption from an FHS course may only be considered when the student has proof that s/he has satisfactorily completed a comparable course in a recognized university, faculty, or program, 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 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 in the course.

Practicum Exemption

In cases where students are judged to have 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 a petition letter to the FHS practicum coordinator, along with supporting evidence of experience. 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 must be in the student's file prior to his/her registering for the final semester of study.

Policy on Transfer of Credits

A transfer of credits may be considered when a course is satisfactorily completed with a minimum grade of 80, or equivalent, at a recognized university, faculty, or program. This is accepted as such in lieu of credits earned in a comparable course in FHS, provided that the candidate has not already used the credits of the course to obtain or be awarded a degree, diploma, or certificate. Credits are to be used only once as a currency unit toward no more than one degree or diploma or certificate. However, for courses taken within the Faculty of Health Sciences, the Graduate Studies Committee will consider a minimum grade of 75 for transfer of credits.

The number of credits that can be transferred can not exceed 12 credits of comparable courses at FHS. It is considered preferable not to exempt or transfer core-required courses unless the instructor, department, or committee concerned is fully confident of the nature and content of the courses in relation to FHS courses.

Procedure for Exemption and Transfer of Credits

To exempt or transfer courses, the candidate should submit the following official documents to the appropriate department chairperson, after consulting with the adviser.

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

For both the exemption and transfer of credits, the transferring programs, departments, and universities must be considered to have comparable standards to those of AUB.

The chairperson of the relevant department should seek the opinion of the course instructor(s) and the department faculty 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)
- s/he fails to obtain a minimum semester average or its equivalent (12 credit hours for part-time students) of 80 in graduate courses

A student with an admission score of at least 75, but less than 80, will be admitted on probation.

Removal of Probation

A student will be removed from probation at the end of a semester, or its equivalent for part-timers (12 credit hours), if s/he has passed all courses and attained a semester average of 80.

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:

- failure to be removed from probation after one semester or its equivalent for part-timers (12 credit hours)
- determination by the Graduate Studies Committee that the student has not made satisfactory academic progress, has not shown sufficient professional promise, or has behaved in contempt of the norms and values upheld by the faculty

Curricula

Master of Public Health

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
I. Core Courses (Required of all MPH Students)					
HBED	310	Social and Behavioral Foundations of Public Health	2	2	3
ENHL	300	Introduction to Environmental Health	2	0	2
PBHL	310	Research Design	2	2	3
EPHD	300	Principles of Epidemiology	2	2	3
EPHD	310	Basic Biostatistics	2	2	3
HMPD	300	Health Care Systems	2	2	3
HBED	315	Communication Skills for Health Professionals	1	2	2

II. Concentration Courses

A. Epidemiology and Biostatistics

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required 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 Infectious and Chronic Diseases	3	0	3
EPHD	340	Seminar			0

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Public Health Experience					
EPHD	345	Research Project ¹	1	2	2
EPHD	365	Practicum ²	0	30	3
PBHL	355	Orientation to Health Programs and Health Care Facilities ³			0
PBHL	398	Culminating Experience			1

To complete credit requirements, students in this group should take at least seven credits of electives (depending on practicum exemption).

B. Health Behavior and Education

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses					
HBED	331	Theories of Behavior Change	3	0	3
HBED	332	Community Health and Development	2	0	2
HBED	333	Communication for Health	2	2	3
HBED	334	Qualitative Health Research	1	2	2
HBED	335	Design and Evaluation of Health Programs	2	0	2
HBED	340	Seminar			0
HBED	344	Workshop Development	1	0	1

¹ Students concentrating in Epidemiology and Biostatistics may be exempted from doing the research project if a practicum is taken.

² Students may be exempted from doing the practicum if they have sufficient health-related experience in their concentration area.

³ Not required for students exempted from the practicum.

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Public Health Experience					
HBED	345	Research Project	1	2	2
HBED	365	Practicum ²	0	30	3
PBHL	355	Orientation to Health Programs and Health Care Facilities ³			0
PBHL	398	Culminating Experience			1

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

C1. Health Management and Policy-Hospital Management Track

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses					
HMPD	311	Health Information Systems	2	0	2
HMPD	314	Project Management	2	0	2
HMPD	315	Performance Improvement	3	0	3
HMPD	342	Financial Management and Accounting	3	0	3
HMPD	351	Healthcare Economics and Finance	2	0	2
HMPD	340	Seminar			0

² Students may be exempted from doing the practicum if they have sufficient health related experience in their concentration area.

³ Not required for students exempted from the practicum.

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Public Health Experience					
HMPD	345	Research Project	1	2	2
HMPD	365A	Practicum ²	0	30	3
PBHL	355	Orientation to Health Programs and Health Care Facilities ³			0
PBHL	398	Culminating Experience			1

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

C2. Health Management and Policy-Lab Management Track

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses					
HMPD	311	Health Information Systems	2	0	2
HMPD	330	Clinical Lab Management: Principles and Applications	3	0	3
HMPD	332	Quality Assurance Practices in Health Care Laboratories	3	0	3
HMPD	342	Financial Management and Accounting	3	0	3
HMPD	351	Healthcare Economics and Finance	2	0	2
HMPD	340	Seminar			0

			Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Public Health Experience					
HMPD	345	Research Project	1	2	2
HMPD	365B	Practicum ²	0	30	3
PBHL	355	Orientation to Health Programs and Health Care Facilities ³			0
PBHL	398	Culminating Experience			1

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

² Students may be exempted from doing the practicum if they have sufficient health related experience in their concentration area.

³ Not required for students exempted from the practicum.

Master of Science in Epidemiology

		Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses				
HBED 310	Social and Behavioral 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 Infectious and Chronic Diseases	3	0	3
EPHD 340	Seminar	1	0	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 three credits of electives and may choose electives from other departments and faculties.

		Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Thesis				
EPHD 399	Thesis			6

Master of Science in Population Health

		Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Required Courses				
HBED 310	Social and Behavioral 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

		Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Electives				
EPHD 312	Analysis of Continuous Data	2	2	3
EPHD 324	Special Topics in Biostatistics	–	–	1-3
EPHD 332	Population and Health Policy	3	0	3
EPHD 333	Special Topics in Population Health	3	0	3

Students should take at least three credits of electives and may choose electives from other departments and faculties.

		Lecture Hrs./ Week	Lab Hrs./ Week	Credit Hrs.
Thesis				
EPHD 399	Thesis			6

Interdisciplinary Courses

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. Topics include formulation of research questions, literature review, sampling issues, methods of data collection and analysis. Practical ethical issues are also discussed.

PBHL 355 Orientation to Health Programs and Health Care Facilities 0 cr.

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

PBHL 398 Culminating Experience 1 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. *Prerequisite: PBHL 355 and completion of all, or all but one, of the core and concentration courses.*

Interdepartmental Courses

IDTH 206–207 Social and Preventive Medicine⁴ 34.46; 4 cr.

A course that explores the inter-relationships among the patient, physician, and society. It is divided into two parts. The first is a lecture and discussion series (2 credits) that examines health and disease, the social and individual determinants of health, health care systems, and the patient-physician relationship. The second part (2 credits) is a field project during which students investigate a health issue at the level of the community.

IDTH 268 Clerkship in Preventive Medicine and Public Health⁴ 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.

⁴ Public health courses taught by FHS in the Faculty of Medicine.