University of Pretoria Yearbook 2023

Master of Public Health [MPH] (10256502)

Department	School of Health Systems and Public Health
Minimum duration of study	2 years
Total credits	180
NQF level	09

Programme information

The curriculum will include four compulsory modules and a range of elective modules. These modules will have a blended learning approach, combining online, distance based learning and face-to-face teaching modalities, depending on the module.

Admission requirements

1. PGDip (Public Health) or equivalent with an average of at least 60% **or** equivalent learning (study for non-degree purposes or equivalent coursework at another institution) provided that the applicant is in possession of a: (i) Relevant honours degree **or** (ii) relevant four-year bachelor's degree and at least two years' applicable practical (work) experience **or** (iii) relevant three-year bachelor's degree and at least five years' applicable practical (work) experience

Additional requirements

Registration as a special student in the Faculty in order to pass a status examination

i. Candidates will be required to first register as a special student in the Faculty, in order to pass in a status examination, in the following instances:

- A three-year bachelor's degree with less than five years' applicable practical (work) experience; or
- A four-year bachelor's degree with less than two years' applicable practical (work) experience; or
- Any applicant in possession of an approved bachelor's degree, who the School's Selection Committee deems fit to register as a special student.

NB:
In accordance with the criteria of the Senate of the University, the applications for admission of all such candidates must, apart from any Faculty requirements, also be submitted to the University Senate for approval. All candidates accepted for postgraduate study (MPH or the Postgraduate Diplomas) must be in possession of a National Senior Certificate with admission for degree purposes.

ii. **Pass requirements for the status examination**

- At least 60% must be obtained in the status examination.
- The status examination will be written in June.

iii. The application of a student who has passed the status examination must be submitted to the Senate of the University for approval. Successful students may then enrol for the degree programme in the following academic year.

Other selection criteria
(Each on a scale of one to five.)

- Academic merit
- National/International need for public health
- Under-represented groups in public health
- Public health related employment
- Track record – e.g. employment, academic, community-building, etc.

Other programme-specific information

Please note: All MMed students must register for, and attend (TNM 802) Applied research methodology, satisfactorily.

Also consult General Academic Regulations G30-G41.

Examinations and pass requirements

Students must participate in all activities and should successfully complete all written and/or online tasks, as required, to the satisfaction of the Chairperson of the School. Written, oral and/or practical examinations must be passed in each prescribed and each elective module including TNM 802 Applied research methodology 802 and HMS 873 Scientific writing 873.

The minimum pass mark for the modules and the dissertation is 50% in all cases. Only with the approval of the Chairperson of the School, on the recommendation of the head of department, will a student be allowed to continue his or her studies after having failed a module twice. A second examination in a module is arranged in conjunction with the head of department for any student obtaining less than 50% and more than 39% for any module. In addition:

i. The prescribed modules must be passed independently of each other.
ii. No second examinations will be granted in modules in which less than 40% has been obtained. Instead, the module must be repeated in its entirety.

i. Examination of modules

a. Each module has its individual (own) evaluation, which may consist of more than one mode of evaluation. To pass in a module, a student must obtain a minimum pass mark of 50%.
b. If a student fails a module but obtains 40% to 49%, a second examination in the module in question must be written. The student must arrange with the lecturer who presents the module, in consul-tation with the Academic Programme Coordinator, in this regard.
c. If a student fails a module but obtains a mark of less than 40%, the module must be repeated in full in the following year.
d. If a core module is still not passed after two attempts, the student will not be allowed to continue with the MPH programme.
e. A compulsory module in the student’s track can only be repeated once. If it is not passed after the second attempt, the student will be requested to change the track. If the student fails after two attempts in the second track, he or she will not be allowed to continue with the MPH programme.

f. If an elective module is failed after two attempts, the student will have to select another elective module.

Examination of the mini-dissertation.

The mini-dissertation will be examined by one internal examiner and one external examiner. A third (external) examiner may be appointed at the discretion of the chairperson of the school. The mini-dissertation must be passed independently with at least 50%.

Research information

Research protocol

After registration, a student is required to submit a complete research protocol regarding the proposed mini-dissertation to the student's division head for internal review. Thereafter the protocol is submitted to the Faculty of Health Sciences Research Ethics Committee for approval. No data collection may begin until the Research Ethics Committee has approved the protocol for implementation.

Mini-dissertation

A mini-dissertation on an approved research project must be passed. The stipulations of the General Academic Regulations regarding the preparation and submission, the technical editing and the résumé of the dissertation apply.

i. The mini-dissertation contributes 100 credits (the equivalent of 1 000 notional hours of learning according to the SAQA criteria).
ii. The expected outcome of the mini-dissertation is that the student will be able to identify and investigate health and health systems problems in a comprehensive manner, and that he or she will be able to formulate appropriate interventions.
iii. The student's research protocol is submitted for approval to the MPH Division for review, and, once approved, submitted to the Health Sciences Research Ethics Committee for their approval. Data collection may not begin until the protocol has been approved by the Health Sciences Research Ethics Committee.

Pass with distinction

The MPH degree is awarded with distinction to a student who has obtained a mark of at least 75% for the dissertation as well as a simple (unweighted) average of at least 75% of all the marks (not rounded) for the other required modules for the degree (excluding the marks for TNM 802 and PHM 880).

General information

Concurrent registration for two study programmes

i. In accordance with the stipulations of the General Academic Regulations, concurrent registration for two postgraduate programmes is not allowed, except in the case of exceptional academic achievement, and the permission of the Dean is required for concurrent registration, subject to the regulations applicable to the fields of study in question and to any other stipulations the Dean may prescribe. Such a concession may be withdrawn by the Dean if the student does not perform satisfactorily – all assignments and coursework must be completed on time. Concurrent registration will not be accepted as a reason for poor performance or not meeting deadlines for both study programmes.
ii. In the case of registering concurrently for two study programmes in the School of Health Systems and Public Health and elsewhere, students must obtain the written consent of both the coordinator of their current

programme and the coordinator of the second programme (or the track co-ordinator in the case of the MPH), and submit it with a substantiating letter to the School's Academic Programme Committee, for recommendation by the Chairperson of the School, after which the application is submitted to the Dean for approval.

iii. The School of Health Systems and Public Health states that concurrent registration for two study programmes is a privilege and not a right.
iv. Concurrent registration must be applied for annually and is granted based on academic performance in the primary degree/diploma programme. If the current field of study is a master's degree, then the second field of study can be a postgraduate diploma.
v. If the current field of study is a postgraduate diploma, then the second field of study can be another postgraduate diploma.

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.

Curriculum: Year 1

Minimum credits: 80

ACM 872, 874 and 875 are available only under exceptional circumstances and with the approval of the Dean acting on the advice of the Chairperson of the SHSPH.
Students must complete elective modules from the list provided. The total number of credits for elective modules must be 50.

Core modules

Biostatistics 1 874 (BOS 874)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Introduction to disease control 880 (CDC 880)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The principles of disease prevention and control to cover the scope of infectious and non-infectious diseases as well as disabilities. The "one health" approach is also included. The syllabus also includes basic demographic indicators and calculations previously learned during DEG 870.

Basis of environmental health 881 (EHM 881)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content
The principles of environmental health and environmental measures to prevent and control disease, both infectious and non-infectious diseases. The syllabus also includes ethical concepts previously learned during part of the discontinued module HET 870.

Introduction to health management 875 (HCM 875)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Epidemiology 1 874 (HME 874)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content
The principles of epidemiology including applied epidemiology (e.g. infectious disease epidemiology, clinical epidemiology and operational research). The use of EpiData software for questionnaire design and data collection.

Scientific writing 873 (HMS 873)

Module credits	5.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Learning in public health 880 (PHM 880)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The history and scope of public health. The importance of self-motivated "deep" learning as opposed to passive learning. Learning the value of group work. The use of the internet and the library to research areas of study. The writing of literature reviews and assignments, the avoidance of plagiarism. Improving English writing skills. Elements of human rights and public health ethics. Students will be given an assignment involving a short literature search and applied writing practice.

Mini-dissertation 870 (PHR 870)

Module credits	100.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Social determinants of health and primary health care 880 (SCM 880)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisite.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The social determinants of health and primary health care including the declaration of Alma Ata. The principles of health promotion including the Ottawa Charter. Applied demographic principles including migration and health, and social aspects of human sexual and reproductive health. Nutrition and school health programmes.

Applied research methodology 802 (TNM 802)

Module credits	0.00
NQF Level	09
Language of tuition	Module is presented in English
Department	Health Sciences Deans Office
Period of presentation	Year

Module content

*Attendance module only.

Elective modules

Individual study in public health 872 (ACM 872)

Module credits	20.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Individual study in public health 874 (ACM 874)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Individual study in public health 875 (ACM 875)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisite.
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Principles of communicable disease control 876 (CDC 876)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Seminars in tropical health (Agent) 877 (CDC 877)

Module credits	10.00

NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Seminars in tropical health (Environment) 878 (CDC 878)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Seminars in tropical health (Host) 879 (CDC 879)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Principles: Chronic disease epidemiology 870 (CDE 870)

Module credits	5.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 discussion classes per week, 3 seminars per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Disease outbreak and control 871 (CDS 871)

Module credits	10.00
NQF Level	09
Prerequisites	HME 870
Contact time	40 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Economic evaluation of disease control intervention 872 (CDS 872)

Module credits	5.00
NQF Level	09
Service modules	Faculty of Veterinary Science
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Students learn when and how to perform economic analyses.

Human nutrition and public health 874 (CDS 874)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Infectious disease epidemiology 870 (CDT 870)

Module credits	5.00
NQF Level	09
Prerequisites	HME 870
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Students learn about the special rates applicable with outbreak and ID investigations. They learn about basic vaccinology (the epidemiology of) and introductory compartmental modelling terms and skills. They also learn basic clinical epidemiology concepts as applicable for screening and public health programmes. Finally they learn about the composition, duties and roles of the infection control team in a hospital.

Health risk assessment 871 (EHM 871)

Module credits	10.00
NQF Level	09

Service modules	Faculty of Veterinary Science
Prerequisites	EOH 871
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Methods in exposure assessment 872 (EHM 872)

Module credits	10.00
NQF Level	09
Prerequisites	EOM 871
Contact time	Blended mode
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The purpose of this module is to introduce you to different exposure assessment techniques and approaches to enable you to obtain reliable exposure data and how to communicate it in a written report. To assist you in writing up the obtained / shared data in a research report, you will be required to read, summarise and present peer reviewed articles that are published in accredited journals to get an understanding of the approach followed to report occupational hygiene and environmental health data.

Environmental chemical pollution and health 874 (EHM 874)

Module credits	5.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Introduction to toxiocology 871 (EOH 871)

Module credits	5.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	Blended mode
Language of tuition	Module is presented in English
Department	School of Health System and Public Health

Period of presentation	Year

Module content

Provide understanding of toxicology related to the environment; furthermore provide an insight into the impacts of hazardous substances in the environment to the individual or the public. Promote the development of a comprehensive and systematic knowledge of this field with depth, specialisation and up-to-date knowledge. Develop effective information retrieval and processing skills and the ability to critically engage with current research and scholarship in toxicology.

Introduction to toxiocology 872 (EOH 872)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Provide understanding of toxicology related to the environment;
furthermore provide an insight into the impacts of hazardous substances in the environment to the individual or the public. Promote the development of a comprehensive and systematic knowledge of this field with depth, specialisation and up-to-date knowledge. Develop effective information retrieval and processing skills and the ability to critically engage with current research and scholarship in toxicology.

Environmental epidemiology 871 (EOM 871)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

This module is an introduction of the various types of epidemiological study designs that are applied in the investigation of the association between environmental exposures and health outcomes. Apart from the classical epidemiological study designs (cross-sectional, case-control and cohort designs that are introduced in HME 874), other study designs such as the time-series, case-crossover, panel, spatial, genetic and molecular study designs are introduced and discussed. The statistical techniques that are applied in the time-series, case-crossover, panel, spatial, genetic and molecular study designs are discussed as well as the implication of random and systematic errors in exposure/health assessment on the measures of associations; hence a basic biostatistics vocabulary (introduced in BOS 874) is required.

Conducting surveys 873 (EPM 873)

Module credits	10.00
NQF Level	09
Prerequisites	BOS 870
Contact time	1 practical per week, 12 lectures per week, 4 discussion classes per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Disease surveillance 874 (EPM 874)

Module credits	5.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 discussion classes per week, 3 seminars per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Financial management in public health 872 (HCF 872)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Health systems operations management 871 (HCI 871)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Health policy and systems 876 (HCM 876)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English

Department	School of Health System and Public Health
Period of presentation	Year

Project management in health 876 (HCS 876)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Introduction to monitoring and evaluation for health managers 874 (HIN 874)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

This is an introductory module on Monitoring and Evaluation (M&E) designed to provide students with knowledge, attitudes and skills regarding M&E frameworks, health information and data systems and indicators, evaluation designs, development of M&E plans, data collection, processing and use and feedback of M&E results, within the context of health systems strengthening. At the end of the module the student should be able to define M&E concepts in the context of health systems strengthening; describe M&E frameworks; design an M&E plan; understand health information systems and data collection, processing and understand how M&E results can be used for health systems strengthening.

Data science for Public Health 874 (HMS 874)

Module credits	10.00
NQF Level	09
Prerequisites	PHM 880
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The module is focused on knowledge and practical skills to leverage information technology, data analytics and machine learning skills in public health. The module builds on basic epidemiology and biostatistics foundations and provides a thorough grounding in the principles of data science in public health research and practice.

Principles of human resource management 872 (HRM 872)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Postgraduate studies in occupational hygiene 1 873 (OHS 873)

Module credits	10.00
NQF Level	09
Prerequisites	FLG 322 or equivalent occupational hygiene coursework with 2 year practical experience in the field of occupational hygiene
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The purpose of this module is to introduce students to the basic concepts of occupational hygiene. Topics addressed in this module include occupational hygiene principles, legislation, risk management (including risk assessment), measuring environmental factors, ergonomics, biological environmental factors, psychological environmental factors, control of environmental factors, communication and report writing and toxicology. Problem-based assignments and practical work needs to be completed and submitted after completion of each unit standard.

Postgraduate studies in occupational hygiene 2 874 (OHS 874)

Module credits	5.00
NQF Level	09
Prerequisites	Satisfactory progress with submissions of OHS 873 assignments (unit standards 1 – 9)
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Introduction to laboratory practice, occupational health education, research and statistical methods, integrated management systems, quality systems, audits and occupational hygiene management. Problem-based assignments need to be completed and submitted within a month after each unit standard.

Qualitative research methods 870 (QHR 870)

Module credits	10.00

NQF Level	09
Service modules	Faculty of Veterinary Science
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Communication in health 873 (SCC 873)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Health promotion 870 (SCP 870)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Sexual and reproductive health 871 (SCP 871)

Module credits	10.00
NQF Level	09
Prerequisites	PHM 880
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Social aspects of Reproductive and Sexual Health; Gender, Sexuality and HIV; Contemporary Sexual and Reproductive Health Issues; Sexual and Reproductive Health Policies, Programmes and Strategies.

Health promotion in practice 872 (SCP 872)

Module credits	10.00
NQF Level	09
Prerequisites	SCP 870
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Health promotion planning cycle, intervention mapping, stakeholder involvement, intervention planning principles including a clear description of the problem/analysis of determinants to be addressed, goal/objective formulation, strategies for implementation, monitoring and evaluation. Application of above principles by reviewing existing health promotion program in students' workplace or where appropriate.

Principles of quality assurance 872 (TQM 872)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Curriculum: Final year

Minimum credits: 130

ACM 872, 874 and 875 are available only under exceptional circumstances and with the approval of the Dean acting on the advice of the Chairperson of the SHSPH.
Students must complete elective modules from the list provided. The total number of credits for elective modules must be 50.

Core modules

Mini-dissertation 870 (PHR 870)

Module credits	100.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Elective modules

Individual study in public health 874 (ACM 874)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Individual study in public health 875 (ACM 875)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisite.
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Biostatistics 2 875 (BOS 875)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Principles of communicable disease control 876 (CDC 876)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Seminars in tropical health (Agent) 877 (CDC 877)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Seminars in tropical health (Environment) 878 (CDC 878)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Seminars in tropical health (Host) 879 (CDC 879)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Principles: Chronic disease epidemiology 870 (CDE 870)

Module credits	5.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 discussion classes per week, 3 seminars per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Disease outbreak and control 871 (CDS 871)

Module credits	10.00
NQF Level	09
Prerequisites	HME 870
Contact time	40 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Economic evaluation of disease control intervention 872 (CDS 872)

Module credits	5.00
NQF Level	09
Service modules	Faculty of Veterinary Science
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Students learn when and how to perform economic analyses.

Human nutrition and public health 874 (CDS 874)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health

Period of presentation	Year

Infectious disease epidemiology 870 (CDT 870)

Module credits	5.00
NQF Level	09
Prerequisites	HME 870
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Students learn about the special rates applicable with outbreak and ID investigations. They learn about basic vaccinology (the epidemiology of) and introductory compartmental modelling terms and skills. They also learn basic clinical epidemiology concepts as applicable for screening and public health programmes. Finally they learn about the composition, duties and roles of the infection control team in a hospital.

Health risk assessment 871 (EHM 871)

Module credits	10.00
NQF Level	09
Service modules	Faculty of Veterinary Science
Prerequisites	EOH 871
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Methods in exposure assessment 872 (EHM 872)

Module credits	10.00
NQF Level	09
Prerequisites	EOM 871
Contact time	Blended mode
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The purpose of this module is to introduce you to different exposure assessment techniques and approaches to enable you to obtain reliable exposure data and how to communicate it in a written report. To assist you in writing up the obtained / shared data in a research report, you will be required to read, summarise and present peer reviewed articles that are published in accredited journals to get an understanding of the approach followed to report occupational hygiene and environmental health data.

Introduction to toxiocology 872 (EOH 872)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Provide understanding of toxicology related to the environment;
furthermore provide an insight into the impacts of hazardous substances in the environment to the individual or the public. Promote the development of a comprehensive and systematic knowledge of this field with depth, specialisation and up-to-date knowledge. Develop effective information retrieval and processing skills and the ability to critically engage with current research and scholarship in toxicology.

Introduction to environmental and occupational health 873 (EOH 873)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Environmental epidemiology 871 (EOM 871)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

This module is an introduction of the various types of epidemiological study designs that are applied in the investigation of the association between environmental exposures and health outcomes. Apart from the classical epidemiological study designs (cross-sectional, case-control and cohort designs that are introduced in HME 874), other study designs such as the time-series, case-crossover, panel, spatial, genetic and molecular study designs are introduced and discussed. The statistical techniques that are applied in the time-series, case-crossover, panel, spatial, genetic and molecular study designs are discussed as well as the implication of random and systematic errors in exposure/health assessment on the measures of associations; hence a basic biostatistics vocabulary (introduced in BOS 874) is required.

Epidemiology 2 870 (EPM 870)

Module credits	10.00
NQF Level	09
Prerequisites	HME 870, BOS 870 and BOS 871
Contact time	lectures and practicals
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Advanced epidemiological concepts and topics building upon learning that has taken place in the introductory epidemiology modules; further study design (including randomised control trials and observational studies); proposal writing; advanced examination of bias, confounding and effect modification; Stratification and standardisation of rates; further selected special biostatistical methods.

Conducting surveys 873 (EPM 873)

Module credits	10.00
NQF Level	09
Prerequisites	BOS 870
Contact time	1 practical per week, 12 lectures per week, 4 discussion classes per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Disease surveillance 874 (EPM 874)

Module credits	5.00
NQF Level	09
Prerequisites	No prerequisites.

Contact time	1 practical per week, 3 discussion classes per week, 3 seminars per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Financial management in public health 872 (HCF 872)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Health systems operations management 871 (HCI 871)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Occupational health law 872 (HCL 872)

Module credits	10.00
NQF Level	09
Prerequisites	EOH 870
Contact time	1 practical per week, 16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

To provide students with knowledge on all the relevant legislation pertaining to occupational health in the general and mining industries.

Managing occupational health services 873 (HCM 873)

Module credits	10.00
NQF Level	09
Prerequisites	EOH 870
Contact time	1 practical per week, 16 lectures per week, 4 discussion classes per week, 4 seminars per week

Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Health policy and systems 876 (HCM 876)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Project management in health 876 (HCS 876)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Introduction to monitoring and evaluation for health managers 874 (HIN 874)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

This is an introductory module on Monitoring and Evaluation (M&E) designed to provide students with knowledge, attitudes and skills regarding M&E frameworks, health information and data systems and indicators, evaluation designs, development of M&E plans, data collection, processing and use and feedback of M&E results, within the context of health systems strengthening. At the end of the module the student should be able to define M&E concepts in the context of health systems strengthening; describe M&E frameworks; design an M&E plan; understand health information systems and data collection, processing and understand how M&E results can be used for health systems strengthening.

Monitoring and evaluation 875 (HME 875)

Module credits	15.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health

Period of presentation	Year

Data science for Public Health 874 (HMS 874)

Module credits	10.00
NQF Level	09
Prerequisites	PHM 880
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The module is focused on knowledge and practical skills to leverage information technology, data analytics and machine learning skills in public health. The module builds on basic epidemiology and biostatistics foundations and provides a thorough grounding in the principles of data science in public health research and practice.

Principles of human resource management 872 (HRM 872)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Postgraduate studies in occupational hygiene 1 873 (OHS 873)

Module credits	10.00
NQF Level	09
Prerequisites	FLG 322 or equivalent occupational hygiene coursework with 2 year practical experience in the field of occupational hygiene
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The purpose of this module is to introduce students to the basic concepts of occupational hygiene. Topics addressed in this module include occupational hygiene principles, legislation, risk management (including risk assessment), measuring environmental factors, ergonomics, biological environmental factors, psychological environmental factors, control of environmental factors, communication and report writing and toxicology. Problem-based assignments and practical work needs to be completed and submitted after completion of each unit standard.

Postgraduate studies in occupational hygiene 2 874 (OHS 874)

Module credits	5.00
NQF Level	09
Prerequisites	Satisfactory progress with submissions of OHS 873 assignments (unit standards 1 – 9)
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Introduction to laboratory practice, occupational health education, research and statistical methods, integrated management systems, quality systems, audits and occupational hygiene management. Problem-based assignments need to be completed and submitted within a month after each unit standard.

Individual studies in occupational hygiene 875 (OHS 875)

Module credits	5.00
NQF Level	09
Prerequisites	FLG 322 or equivalent Occupational hygiene coursework with 2 yrs practical experience, satisfactory progress in OHS 873.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

In-depth knowledge in occupational hygiene concerning legislative requirements related to different occupational hygiene strategies and stressors, i.e. risk assessment, occupational stress, illumination, extreme thermal conditions, noise, airborne contaminants, ventilation and ergonomics. Students need to compile template reports and submit it for grading.

Principles of occupational hygiene and toxicology 872 (OHT 872)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Qualitative research methods 870 (QHR 870)

Module credits	10.00
NQF Level	09
Service modules	Faculty of Veterinary Science

Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Communication in health 873 (SCC 873)

Module credits	10.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Health promotion 870 (SCP 870)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Sexual and reproductive health 871 (SCP 871)

Module credits	10.00
NQF Level	09
Prerequisites	PHM 880
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Social aspects of Reproductive and Sexual Health; Gender, Sexuality and HIV; Contemporary Sexual and Reproductive Health Issues; Sexual and Reproductive Health Policies, Programmes and Strategies.

Health promotion in practice 872 (SCP 872)

Module credits	10.00
NQF Level	09

Prerequisites	SCP 870
Contact time	16 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Health promotion planning cycle, intervention mapping, stakeholder involvement, intervention planning principles including a clear description of the problem/analysis of determinants to be addressed, goal/objective formulation, strategies for implementation, monitoring and evaluation. Application of above principles by reviewing existing health promotion program in students' workplace or where appropriate.

Regulations and rules

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.