

TEHERAN UNIVERSITY



**SCHOOL OF
PUBLIC HEALTH**

AND

**INSTITUTE OF
PUBLIC HEALTH RESEARCH**

GENERAL CATALOGUE

ANNOUNCEMENT OF COURSES

AND

RESEARCH PROGRAMS

1976-1978

U N I V E R S I T Y O F T E H E R A N
SCHOOL OF PUBLIC HEALTH
AND
INSTITUTE OF PUBLIC HEALTH RESEARCH
TEHERAN, IRAN

GENERAL CATALOGUE
AND
ANNOUNCEMENT OF COURSES
1976-1978

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SCHOOL OF PUBLIC HEALTH
INCORPORATING
THE INSTITUTE OF PUBLIC HEALTH RESEARCH

PART I
INTRODUCTION AND HISTORY

The promotion of Public Health is one of the major components of the socio-economic development plan of Iran. Its development is continually inspired and guided by His Majesty the Shahanshah Ariamehr, who as early as 1941 announced that "there are five principles that should be sought as minimum requirements for every individual of the nation, namely, Health for all, Food for all, Clothing for all, Housing for all, and Education for all". This announcement was further confirmed by the 17 doctrines of White Revolution. With the extensive network of health and medical care services being built up, or being planned for development, the need for many trained public health workers in all branches, particularly administrative, supervisory, and field workers, to carry out the health programs, is already great and becomes greater every day.

Use has been and is being made of international fellowship programs for the training of various types of health personnel, but considering its limitations, the great demand for graduate health manpower can never be met by this means alone.

Consequently, the University of Teheran, supported by the Ministry of Health and Social Welfare and the Plan Organization, assumed responsibility during the Third Plan of creating graduate programs in Public Health. Through the cooperation of the Ministry of Health and with the technical assistance of the World Health Organization, a project was approved for this purpose, between the Government of Iran and the World Health Organization Regional Office for the Eastern Mediterranean (Project-Iran-43) in January 1966.

Inspired by the desires of His Majesty the Shahanshah Armanehr, the Chancellor of the University of Teheran and Dean of Faculty of Medicine, H.E. Dr. Jahan Shah Saleh, instructed the preparation of the status of a Graduate School of Public Health, and it was subsequently approved through his untiring efforts and interest by the following bodies:

On May 24, 1966, by the Council of the Faculty of Medicine.

On June 25, 1966, by the Academic Council of Univ. of Teheran.

On July 4, 1966, by the Senate of the University of Teheran.

On July 9, 1966, by the Central Council of Universities of Iran.

Instructions for the establishment of the School were issued on August 1, 1966, and an announcement for the enrollment of students was sent to the University Registrar's Office on September 5, 1966, for publication in the press.

The establishment of the School of Public Health was facilitated by the existence of the two fully developed components: the Department of Health Sciences of the School of Medicine and the Institute of Public Health Research, a cooperative research organization between the University of Teheran and the Ministry of Health. The development of these two academic and research organizations took about 15 years and was started in 1950 by the establishment of the Institute of Malariology attached to the Chair of Parasitology of the School of Medicine according to the basic agreement signed by the authorities of the University of Teheran and the Ministry of Health, supported by Plan Organization, WHO, UNICEF and AID.

During the following years, the two academic and research components were developed gradually through the careful planning and efforts of Dr. M. Ansari, Professor of Parasitology and Director of the Institute of Malariology.

From the research side, the Institute of Malariology gradually developed its activities to cover other endemic diseases and public health problems and was renamed Institute of Parasitology and Malariology in 1956, Institute of Parasitology, Tropical Medicine and Hygiene in 1963, and finally, Institute of Public Health Research in 1965.

From the academic side, the Chair of Parasitology was integrated with the Chair of Tropical Medicine in 1963, and after the reforming of the University of Teheran in 1965, the Chair of Public Health was also integrated, finally forming the University Department of Health Sciences.

The other existing activities were also integrated into the newly organized School of Public Health. The first was the graduate course of Hospital Administration established in the School of Medicine according to an agreement signed between the University of Teheran and the Ministry of Health in 1961, and the second was a one-year course in Environmental Sanitation established in 1963 under special arrangements with the Institute of Public Health Research. The above two courses were financially supported by the Plan Organization.

After the establishment of the School of Public Health, these two courses were transferred to this School and re-organized according to the rules and regulations of graduate programs of the University.

These developments, and particularly the setting up of the School of Public Health and Institute of Public Health Research, received valuable technical assistance from the World Health Organization, and in eleven instances from AID, Fulbright, CENTO, Population Council and Colombo Plan through the assignment of short term consultants.

PART II
ORGANIZATION OF THE SCHOOL OF PUBLIC HEALTH AND
THE INSTITUTE OF PUBLIC HEALTH RESEARCH

The School of Public Health and the Institute of Public Health Research are administered at the higher echelon by the School Council and the Institute Council. They are functionally administered by a Directorate, assisted by several advisory and coordinating committees. The training programs are performed by the Departments of the School, and research programs are carried out by collaboration of the School's Departments and Research Division of the Institute of Public Health Research.

In practically every case, the faculty members of the School of Public Health have double appointments at the Institute of Public Health Research and the scientists of the Institute, when and where possible and necessary will find an appointment within the School's faculty. In this manner, coordination between teaching and research is achieved, the immediate use of research results is assured for teaching purposes, and a selection of the most suitable new faculty members is made possible from among the experienced research workers.

A. Authoritative Councils

1. School Council

Composed of the Dean, Chairman, and Vice-Dean of the School, a representative of the School to the University Council, Chairmen of Departments, one representative from each department, the Chief Secretary of the School (Secretary of the Council).

2. General Assembly

With the participation of all teaching and research staff of the School.

B. Administration of the School of Public Health and the Institute of Public Health Research

1. A.Nadim,M.D.,Dr.P.H. Professor of Epidemiology, Dean of the School and Director of the Institute.
2. F.Arfaa,M.D.,M.P.H.,D.C.M.T. Professor of Helminthology, Vice-Dean of the School and Assistant Director of the Institute.
3. M.Mohseni,Ph.D. Assistant Professor of Medical Sociology, Director of Academic Affairs.
4. M.Ghiassedin,Ph.D. Assistant Professor of Environmental Sanitation, Director of Student Affairs.
5. A.Manouchehri,D.V.M. Professor of Vector Control, Director of Research Activities.
6. Sh.Gavamian,M.S.P.H. Instructor, Chief Secretary of the School.

Chairmen of the Departments

1. B.Janbakhsh,D.V.M.,D.A.P&E. Associate Professor of Entomology and Chairman, Department of Environmental Health.
2. B.Ghaemian,M.D.,D.I.H.D.,D.H.S.A. Professor of Hospital Administration and Chairman, Department of Public Health Practice.
3. N.Kavoosi,M.D.,D.I.H., Professor of Occupational Health and Chairman, Department of Occupational Health.
4. H.Mohsenin,M.D. Professor of Parasitology and Chairman, Department of Medical Parasitology and Mycology.
5. F.Modabber,Ph.D. Associate Professor of Pathobiology and Chairman, Department of Pathobiology.
6. V.NahaPetian,M.D.,M.P.H., Professor of Biostatistics and Chairman, Department of Epidemiology and Biostatistics.
7. Sh.Hedayat,M.D.,D.I.H.D. Professor of Nutrition and Chairman, Department of Human Ecology.

Members of the School Council

1. F.Arfaa,M.D.,M.P.H.,D.C.M.T. Professor of Helminthology and Vice-Dean.
2. E.Aramesn.M.D.,D.E.W.S.P. Associate Professor of Epidemiology.
3. H.Basaghi,M.D.,M.P.H. Professor of Public Health Administration and Representative of the School to the University Senate.
4. F.Ghadirian,D.V.M.,Ph.D. Professor of Helminthology.
5. B.Ghaemian,M.D.,P.I.H.D.,D.H.S.A. Professor of Hospital Administration and Chairman, Department of Public Health Practice.
6. Sh.Hedayat,M.D.,D.I.D.H. Professor of Nutrition and Chairman, Department of Human Ecology.
7. B.Janbakhsh,D.V.M.,D.A.P & E. Associate Professor of Entomology and Chairman, Department of Environmental Health.
8. M.Kavoosi,M.D.,D.I.H. Professor of Occupational Health and Chairman, Department of Occupational Health.
9. M.Khakpour,M.D.,M.P.H. Associate Professor of Virology.
10. A.Mansouchehri,D.V.M. Professor of Entomology.
11. K.Mohsenin,M.D. Professor of Parasitology and Chairman, Department of Medical Parasitology and Mycology.
12. F.Modabber,Ph.D. Associate Professor of Pathobiology and Chairman, Department of Pathobiology.
13. CH.M.Mofidi,M.D.,M.P.H. Professor of Human Ecology and Deputy Chancellor of the University.
14. A.Nadim,M.D.,Dr.P.H. Professor of Epidemiology and Dean of the School.
15. B.Navidi-Kasmai,M.D.,D.C.E. Associate Professor of Maternal and Child Health.
16. V.Nahapetian,M.D.,M.P.H. Professor of Biostatistics and Chairman, Department of Epidemiology and Biostatistics.
17. Gh.Sanai,Dr.Pharm. Professor of Occupational Health.

Members of the Curriculum Committee

1. S.Tirgarı, Dr.Sc., Assistant Professor
2. A.Hamıdı, D.V.M., Associate Professor
3. F.Shafıı, Ph.D., Assistant Professor
4. M.Foroozanı, Ph.D., Assistant Professor
5. Ch.Ghavamian, M.S.P.H., Instructor
6. M.Mohsenı, Ph.D., Assistant Professor
7. N.Mohagheghpoor, Ph.D., Associate Professor
8. K.Nasserı, D.V.M., Ph.D., Assistant Professor

Members of the Research Committee

1. F.Aminı, M.D., D.T.M.H., Professor
2. A.Jazayerı, Ph.D. Assistant Professor
3. E.Javadian, D.V.M., Professor
4. S.Saidı, D.V.M., M.P.H., Assistant Professor
5. B.Samimi, Ph.D., Assistant Professor
6. P.Azordegan, Dr.Pharm. Assistant Professor
7. I.Farahmandian, D.V.M., Ph.D., Associate Professor
8. A.Manouchehri, D.V.M., Professor

C. Advisory and Coordinating Committees

1. Curriculum Committee

The members of this committee are: Director of Academic affairs, one representative from each of seven departments and the Chief Secretary of the School. The Chairman is selected by the committee.

2. Admission Committee

The members of this committee are appointed annually by the Dean according to the announced branches.

3. Research Committee

The members of this committee are: Dean or Vice-Dean, Chairmen of the research committees of School's seven departments. The director of research activities of the School and the Institute is the Secretary to this committee.

4. Administrative Committee

The members of this committee are: the Dean or Vice-Dean and Chairmen of the School Departments, Chief Administrative Officer, Chief Secretary of the School.

5. Library Committee

The members of this committee are: the Chairman, appointed by the School Council, one representative from each of seven departments and the Chief Librarian.

6. Appointment and Promotion Committee

The members of this committee are selected each year by the faculty members and the University.

D. The Faculty

At present, the Faculty of the School of Public Health consists of seven Departments.

1. Department of Epidemiology and Biostatistics
2. Department of Pathobiology
3. Department of Human Ecology
4. Department of Public Health Practice
5. Department of Environmental Health
6. Department of Occupational Health
7. Department of Medical Parasitology and Mycology

E. Research Body

The Institute of Public Health Research is a research institution which was established through the cooperative efforts of the University of Teheran and Ministry of Health and with the assistance of the Plan Organization, World Health Organization and several other International Health Agencies to carry out basic, applied and operation research on the diseases and major health problems of the country.

The organization and structure of the Institute is so arranged that its activities are integrated into the functions of School Departments on the level of Research Stations and field units, or operated as research projects with International cooperation.

The scientific organization of the Institute consists of Research Divisions at Headquarters and Research Stations and units in the field.

1. Research Divisions at Headquarters:

Consists of nine Divisions incorporated into Departments of the School:

Research Division of Environmental Health

"	"	"	Parasitology
"	"	"	Epidemiology
"	"	"	Biostatistics
"	"	"	Public Health Practice
"	"	"	Pathobiology and Immunology
"	"	"	Nutrition
"	"	"	Human Ecology
"	"	"	Occupational Health

The above mentioned Divisions are supervised by the Chairmen of Departments concerned.

2. Field Research Stations and Units:

These stations are located according to the main geographic and ecologic regions of the country as follows:

2-1 Caspian Region

Babol Research Station (with related sub-units)

Supervisor: P. Ghadirian

Shahsavari Research Station (with related sub-units)

Supervisor: Dr. Semsar Yazdi

2-1 Caspain Region (contd)

Rasht Research Station

Supervisor: Dr. A. A. Alami

Gonbad Research Station

Supervisor: Dr. L. Keyvan

2-2 Central Plateau Region

Isfahan Research Station

Supervisor: Dr. B. Nikpoor

2-3 Southern Region

Ahwaz Research Station (with related sub-units)

Supervisor: Dr. J. Massoud

Abadan Research Station (with related sub-units)

Supervisor: Eng. M. Rashti

Kazerun Research Station (with related sub-units)

Supervisor: Eng. N. Eshghi

Bandar Abbas Research Station (with related sub-units)

Supervisor: Eng. A. Zeini

2-4 West Azerbaijan Region

Rezaieh Research Station

Supervisor: Dr. M. A. Barzegar

In other regions of the country there are no research stations at the present. However, research activities in those regions are carried out by mobile research teams temporarily assigned to projects.

These centers for implementation of multidisciplinary and inter-departmental research projects, work very closely with local health authorities. In addition to research projects, their facilities are utilized for the teaching and training of national as well as international students in various fields of health sciences.

3. International Research

In order to carry out research on the international level, projects, units and centers are organized with the cooperation of International Health Agencies or Foreign Institutions and Scientific Centers.

These cooperative efforts are carried out according to these methods:

1. Research projects and activities based on Research Grants by various international or foreign institutions. These projects are carried out either by a single department of the School or as interdepartmental projects.

2. International research projects where both local (School of Public Health and Institute of Public Health Research) and international resources are utilized. These projects usually have specific and limited objectives.

3. Establishment of cooperative research centers to carry out more comprehensive projects with broader scopes and objectives which have national and international significance. These centers are based primarily on international resources.

3-1 International Center for Health Services Development

In order to carry out research in development of health services, this center was established at the School of Public Health and is based on the agreement signed in December, 1968, between the Ministry of Higher Education, Ministry of Health and University of Tehran on one side and WHO on the other. The scientific board of this center is composed of 4 Iranians (Undersecretaries of the Ministries of Higher Education and Health, Vice-Chancellor of the University of Tehran and Assistant Director of Plan Organization) and 4 members appointed by the General Director of the World Health Organization. The executive co-directors of the center are Dr. Ch. M. Mofidi, Vice-Chancellor of the University of Tehran, and Dr. Newell, Director of DS&S at WHO Head quarters.

3-2 Regional Cancer Research Center (IARC-TEHRAN REGIONAL CENTER)

In October, 1970, the regional Center for the International Agency for Research on Cancer of Lyon, attached to WHO, was established at the Institute of Public Health Research. The objective of this center is to promote research on cancer in Iran with the cooperation of national and international institutions. At present, the activities of this center are based on the epidemiology of cancer of the esophagus and the establishment of a cancer registry in the north of Iran.

F. Facilities for Teaching and Research

The School of Public Health and the Institute of Public Health Research enjoy the good services of a rather extensive variety of physical research facilities for teaching and research purposes. The facilities which are of a different nature, i.e., laboratories, training and research field stations, health centers, hospitals, etc., are administered directly by the School and the Institute or belong to other health, medical or social institutions and are used by special arrangement.

The following institutional facilities are being used for the period 1976-1978:

1. At Headquarters Level

In addition to those required for undergraduate programs and provided by the concerned institutions, there are facilities used for graduate and auxiliary training programs such as lecture rooms, practical work rooms, laboratories for research and in-service training, library facilities and special workshops for practical training of students of Environmental Health.

The Library, Documentation and Information Center of the School and Institute has 15,950 books, 8,000 bound journals and has a subscription of 739 periodicals. It is at the service of the teaching and research staff, graduate and undergraduate students, as well as many scientists of various institutions in Teheran and provinces.

In addition, the library provides the following services: bibliography, translation from English, French, Russian, and photocopies and publishes a monthly library news bulletin.

2. At the Peripheral Level

These consist of eight training and research stations in:

Isfahan (with 1 sub-unit)	Ahwaz (with 1 sub-unit)
Kazerun (with 1 sub-unit)	
Rasht (with 2 sub-units)	
Rezaieh	
Bandar Abbas	
Abadan (with 1 sub-unit)	
Babol (with 1 sub-unit)	

3. Accredited and Affiliated Health Centers

These centers are administered by the Ministry of Health for other organizations and are used or will be used for training purposes upon mutual agreement (some being up-graded with the assistance of the School whenever necessary).

The following training or research centers have been used, or are being considered in Teheran:

Farmanfarmaian MCH Center
 Robat-Karim Health Center
 Dreirphus Health Center
 Yaft-Abad Health Center
 Kancan Kheir-Khah Health Center

4. Affiliated Hospitals

There is a close association between the School of Public Health and the Institute of Public Health Research with many hospitals in Teheran or in the provinces. These hospitals are used as training centers for bedside teaching of Preventive Medicine, Clinical Epidemiology and for the Residency Training Program for Hospital Administration or as research centers for various joint clinical trials and research programs.

At present the following hospitals cooperate with the School of Public Health.

4-1 University Teaching Hospitals

(a) University of Teheran Medical School:

- Pahlavi Medical Center
- Dariush Kabir Medical Center
- Bahrami Hospital
- Farabi Hospital
- Jahon Shah Saleh Hospital
- Amir Alam Hospital
- Komak Hospital No. 2

(b) Pahlavi University Medical School:

- Namazi Medical Center
- Saadi Hospital

(c) Isfahan University Medical School:

- Khorshid Hospital
- Soraya Medical Center

4-2 Hospitals Administered by the Ministry of Health:

- Firouzgar Medical Center

4-3 Hospitals Administered by the National Iranian Oil Co.:

- NIOC Teheran Medical Center
- NIOC Abadan Medical Center

5. Health Institutions

There is a close scientific association between the School of Public Health and other University and non-University institutions, namely:

Pasteur Institute

Cancer Institute

Razi Institute

Food and Nutrition Institute

Institute of Social Research

Institute of Nuclear Sciences

Institute of Experimental Medicine and Pharmacology

Institute of Economic Research

Institute of Hydrology

Industrial Hygiene Training and Research Center

There exists also a close collaboration between the School of Public Health and other schools of the University of Teheran. The exchange of the students and scientific workers, the implementation of joint research projects and the exchange of scientific and research materials are examples of the collaboration between the above mentioned institutions and the School of Public Health.

6. Other Facilities

A number of field units, health departments and other branches of the Ministry of Health at Headquarters or at provincial levels (particularly those in Teheran, Isfahan and Shiraz, Rezaieh, Rasht, Babol, Karaj and Kashan) are being effectively used for the field training of the students and the research activities of the School and the Institute.

7. International Centers

The School of Public Health and the Institute of Public Health Research with its institutional facilities, have often been used for international courses or as field training centers for foreign students. So far 12 such International Courses in the areas of Malaria, Intestinal Infections, Health Education, Nutrition and Health and Manpower Planning have been organized. Discussions are underway regarding the use of facilities of foreign health institutions or international centers for supervised field training of graduate students of the University of Teheran, School

of Public Health. In this connection, the use of Family Planning Centers in Chicago and New York, as well as similar centers in Turkey and Pakistan can be mentioned as examples.

G. Professors and Associate Professors Emeriti or Retired

J. Ashtiani, M.D.	Professor of Public Health Teheran University School of Medicine
N. Ansari, M.D.	Professor of Parasitology, Former Chief, Parasitic Diseases, WHO, Geneva.
M. Etemadian, M.D.	Professor of Public Health, Teheran University School of Medicine
M. A. Faghih, M.D., D.T.M.&H., C.M.S.&E.	Professor of Epidemiology
F. Sadigh, M.D.	Professor of Public Health, Teheran University School of Medicine
M. Mojalal, M.D.	Professor of Clinical Epidemiology and Tropical Medicine
M. Sadri, M.D., M.P.H.	Professor of Hospital Administration
H. Bijan, M.D.	Professor of Parasitology
A. Hajian, M.D., P.M.&H.	Professor of Parasitology

PART III
TEACHING AND TRAINING PROGRAMS

The purpose of the School of Public Health of the University of Teheran, established in 1966, is to create an educational atmosphere, conditions and possibilities for those who want to obtain higher education and degrees in one or more branches of health sciences and to prepare themselves for careers in research or to serve as public health workers able to carry out health programs and administer comprehensive health and medical care.

Some of the principal points considered as the basis for planning the programs and teaching methods of the School of Public Health, in addition to the provision of adequate background information about the course subjects and the possibilities of learning by doing, are:

1. Inseparability of education and research;
2. Development of the capabilities of the student in continuous self-education, and his faculties of judgement, evaluation and analysis;
3. Awakening and strengthening of the spirit of cooperation, team work and collective endeavours.

The School of Public Health offers six types of educational programs:

1. Post-graduate courses leading to special certificates;
2. Graduate programs leading to the following degrees:
 - (a) Doctor of Public Health. The program includes 24 units of course work and a doctoral thesis.
 - (b) Speciality in Public Health. This is a three year residency program of which one year is spent for MPH, and two years for research and practice and a thesis.
 - (c) Doctor of Philosophy in Parasitology and Medical Entomology. The Ph.D. degree is an advanced graduate degree for those who intend to pursue research or teaching careers. The program includes pre-requisite courses, 24 units of course work and a doctoral thesis.

- (d) Master of Public Health. The program includes two semesters of course work (32 units) and three months of field work and thesis. International MPH course is in English majoring in Malaria and other parasitic diseases. Its duration is 16 months.
- (e) Master of Science in Public Health, with majors in any one of 10 branches of health sciences. The program includes three semesters of course work (minimum of 32 units), three months summer field training and one semester supervised field practice and thesis.
- (f) Diploma of Public Health in Public Health Nursing. The program includes two semesters of course work (37 units) and three months of summer field work.

The Faculty also participates in many other M.S. courses established in other Schools of the University of Teheran.

3. Undergraduate programs are composed of the teaching of various disciplines of health sciences in undergraduate B.S. or B.A. programs of the School of Agriculture, Social Sciences, Law and Political Sciences, Education, Nursing and Midwifery and doctorate programs in Schools of Medicine, Pharmacy, Dentistry and Veterinary Medicine. The Faculty is also required to participate in the teaching of any health subjects it is deemed necessary to establish in the curricula of other Schools and Institutions.
4. Training of auxiliary health workers: On request, and by special arrangement with the Ministry of Health or other Institutions concerned, the School organizes special programs leading to a certificate for the training of various categories of auxiliary health workers, such as malaria microscopists, chief of field operations for Malaria Eradication, and field technicians for various disease control programs.

4. Training of auxiliary health workers: (contd)

It also participates in the teaching of health sciences to the students of various auxiliary training programs established by other Schools of the University (e.g. Dental Hygienist, Laboratory Technicians, Pharmacist-Aid, etc.) or by the Ministry of Health (e.g. Sanitary Engineering Aids, Multi-purpose Health Workers, etc.).

5. Inservice training programs. Short term inservice training programs are organized in Public Health for physicians from Ministry of Health or other Health Institutions. Those taking part successfully in these courses are given certificate of attendance.

6. International programs: International courses are organized at the School of Public Health with the assistance of the World Health Organization, UNICEF, and other international organizations to cover special health problems or disease control programs. These courses are being conducted in English and students of different nationalities taking part in these courses receive a certificate from the School of Public Health and the University of Teheran.

THE TEACHING PROGRAMS FOR THE ACADEMIC YEAR OF 1976-1978 ARE OFFERED IN THE FOLLOWING FOUR CATEGORIES:

A. GRADUATE PROGRAMS

1. Ph.D. IN PARASITOLOGY AND MEDICAL ENTOMOLOGY

The curriculum leading to the degree of Ph.D. in Parasitology and Medical Entomology is intended to provide professional preparation for training, research and high level leadership positions in a medical or public health organization.

Selection is made by entrance examination and interview.

Requirements for the degree are:

- a) A minimum of four semesters must be spent in a graduate program leading to the doctoral degree.
- b) The candidate will prepare a doctoral thesis which must be approved by the doctoral committee.
- c) The candidate must pass a comprehensive examination.
- d) Participation in field work.

2. MASTER OF PUBLIC HEALTH - with the following areas:

Public Health Administration

Epidemiology

Occupational Health

Maternal and Child Health

Population Dynamics and Family Health

Biostatistics

The Curriculum

The program is designed to meet the needs of students who desire to prepare themselves for careers in Public Health. The curriculum covers a minimum of nine months in residence, divided into two academic semesters and an additional three months of summer supervised field work. Approximately half of the time in residence is designed for special and elective courses according to the student's area of specialization.

Core Subjects

<u>Required Courses</u>	<u>Units</u>
Biostatistics (B)	3
Principles of Epidemiology	3
Principles of P.H. Administration	3
Human Ecology	3
TOTAL	<u>12</u>

<u>Elective Courses:</u>	<u>Units</u>
Organization and Management	2
Human Relations in Administration	2
Medical Care Administration	2
P.H. Administration	4
Planning & Evaluation	2
Social Medicine	2
Medical Records and Statistics	2
Clinical Epidemiology	2
Advanced Statistics	2
Special Epidemiology (2)	
" " (6)	
" " (8)	
Epidemiological Control of Malaria	2
Advanced Methods of Epidemiology	2
Special Pathobiology (1)	2
" " (2)	2
" " (3)	2
" " (4)	2
" " (5)	2
" " (7)	2
Principles Of Occupational Health	2
Environmental and Industrial Sanitation	2
Ergonomics 2	2
Occupational Health Services	2
Principles of Maternal Health	2
Child Health	2
Birth Control Methods	4
Social Aspects of Family Planning	2
Analytical Demography	2
Evaluation and Research Methods	2
Training in Family Planning	2

Communications in Family Planning	2
Advanced Biostatistics	2
Human Genetics	2
Principles of Health Education	2
Principles of Mental Health	2
Family Planning	2
Medical Entomology	2
Advanced Biochemistry	2
Food Sanitation and Hygiene	2
Chemical Pollutants of Environment	2
Rural Health	2
Industrial Hygiene	2
Principles of Environmental Health	2

Requirements for the Degree

One academic year must be spent in full time study in the School. The student must successfully complete required and elective courses to a minimum total of 32 units, and three months summer field work. A thesis (4 units) approved by the School is also required for MPH Degree.

3. INTERNATIONAL M.P.H. COURSE (in English)

This course in Malaria and other Parasitic Diseases is held in collaboration with World Health Organization, in Teheran, School of Public Health, University of Teheran, having a duration of sixteen calendar months, ending 22 December. The Degree of the Master of Public Health (M.P.H.) will be awarded by the University of Teheran, and the course is open to participants from all countries. M.P.H. Course of this type will be held every other year.

Admission:

Admission is only open to graduates of any school of Medicine or veterinary medicine (recognized by the Imperial Government of Iran) with a minimum of two years experience in the field of Public Health. The maximum age limit for the participants in the Course is forty. Fluency in English is essential and those candidates whose mother tongue is other than English are required to provide evidence for passing any of the following tests: TOEFL, Michigan Proficiency Test, or British Council Davies Test.

Objectives of the Course

This course is designed for participants who wish to follow a career in tropical public health concentrating on the practical aspects of the epidemiology and control of malaria and other parasitic diseases. It is also designed to fulfill the basic qualifications for:

- District health officers, or equivalent in the tropical or sub-tropical areas;
- Chiefs of specific public health programmes for the control of malaria and/or other parasitic diseases;
- Directors of public health departments in the ministries of health in tropical and subtropical countries;
- Teachers in schools and institutions devoted to training in public health;
- International public health staff concentrating on malaria and other parasitic diseases.

The objective of the Course is to enable students to master the following functions:

- a) - To evaluate the health problems in their area of assignment, including epidemiological study of relevant disease,
- b) - To identify the socio-economic factors affecting the health of the people in the area;
- c) - To select priorities in public health activities in terms of feasibility within the socio-economic conditions of the area;
- d) - To plan, implement, and manage programmes of eradication or control of malaria and other parasitic diseases either as specific programmes or integrated into general health programmes
- e) - To evaluate the effect of those programmes in terms of both changes in the health of the people and cost-benefit,
- f) - To identify topics for field research of importance to the control of specific diseases or to the health situation of the area, to carry out or to promote such field research and to assess the results;
- g) - To provide or secure training for subordinate staff.

Application and selection of students for the Course

The maximum number of participants in the programmes is 20.

Those wishing to participate in the Course should apply directly to the School of Public Health, University of Teheran. Those participants who expect to receive a fellowship from the World Health Organization are requested to submit their application through W.H.O.

Tuition fees and costs

Iranian students shall benefit from the Imperial Decree of Free Education. The total cost of the Course, inclusive of tuition, laboratory fees, examination fees, as well as the cost of internal travel in connection with the Course and the use of field stations is IRI 121,000 (US\$ 1,740) payable to the School of Public Health, University of Tehran in 3 equal instalments at the beginning of each semester and the field research period. Students will have to pay for their food and lodging and any incidental expenses both in Teheran and in the field stations. School of Public Health shall provide free lodging in the field stations in Iran. Students wishing to spend a part of their field research outside of Iran may do so at their own expenses.

As part of the tuition fees, students will benefit from the medical and hospital facilities available to all students of the University of Teheran.

Duration of the Course

The total time required for the Course is 16 calendar months.

The timetable of the Course is as follows:

23 August - 22 September	Pre-requisite course
23 September - 9 January	First Semester
10 - 17 January	Term-Break
18 January - 20 March	Second Semester
21 March - 2 April	New Year's Holiday
3 April - 9 July	Second Semester (Contd.)
10 - 14 July	Term-Break
15 July - 23 December	Field Research

* All fees subject to change

Pre-requisite course

This period of one month is designed to fill the gaps of knowledge and bring students to approximately the same level. During this period, students shall receive intensive training in library research and data gathering.

First Semester

The Course work for the first semester is designed to fulfill the basic requirement for the MPH degree. Courses in this semester are:

Biostatistics	3 unit
General Medical Epidemiology	3 "
Principles of Management and Public Health	3 "
Administration	
Principles of Environmental Health	2 "
Ecology of Human Health	3 "
Educational Planning and technology	1 "
Health Economics	1 "
<u>Total</u>	<u>16 "</u>

During the first semester, short visits will be under taken to field areas for practical demonstration of different techniques and health programmes.

Second Semester

The Course work for the second semester is designed to concentrate on the epidemiology and control of malaria and other parasitic diseases. The following courses have been planned for second semester:

Epidemiology & Control of Malaria	5 units
Epidemiology & Control of Tropical Diseases	3 "
Epidemiology & Control of Helminthic Diseases	3 "
Epidemiology & Control of Protozoal Diseases	3 "
Advanced Epidemiology	2 "
<u>Total</u>	<u>16 "</u>

Each one of the above courses have been designed to give a complete coverage of the disease in question. Thus at the end of each course students should be able to:

- Diagnose cases both on clinical and laboratory basis;
- Apply the principles of epidemiology in comparing the world situation, to find out the peculiarities of transmission with respect to host, agent, vector, and environment; and also to evaluate the public health importance of the disease and its socio-economic significance in specific area.
- Plan and implement treatment and environmentally sound control program for individual and mass treatment with special consideration for cost-benefit analysis and management in any specific area.

Field Research

Third semester consists of two major parts:

1) Field visit for 30 days in three different ecological field stations.

- Bandar-Abbas at the Persian Gulf littoral for Malaria;
- Isfahan at the Central plateau for Leishmaniasis, Soil-Transmitted Helminth, and Brucellosis;
- Rasht at the Caspian Sea littoral for Hookworm disease and other Helminthic diseases.

The purpose of this period of field visit is to familiarize students with the general activities in field stations, problems faced in the field and complete cycle work in assessment and control of diseases in each area.

2) Part two of the third semester shall be devoted to the field research and other activities needed for the preparation of thesis which is one of the graduation requirements.

4. MASTER OF SCIENCE IN PUBLIC HEALTH

MSPH in Environmental Sanitation

The objective of this course is to train sanitarians who will be capable of supervising city and rural sanitation programs and, as members of health teams, will be able to participate in health surveys and planning. It is also expected that they will be able to organize the environmental health units of Sharestan^h Health Department and create a good relationship with the public.

Requirements for admission:

This program is offered to the holders of:

- (a) Bachelor's degree or higher in sciences such as physics, chemistry, from an approved college or university.
- (b) Bachelor's degree in various branches of health science.
- (c) Graduates from Schools of Engineering.

Selection is made by entrance examination and interview.

The Curriculum

This is a two-year course, consisting of three semesters of academic study periods in residence and one semester of supervised field work.

First year (Academic)

Two semesters, on a full-time basis, each consisting of a 16-week period, plus two weeks for examination. During the following summer three months field work is required from each student.

The following courses are offered during the first year:

<u>Required Courses</u>	<u>Units</u>
Biostatistics (A)	3
General Epidemiology	2
Human Ecology	2
Principles of P.H. Practice	2
Hydraulics	2

<u>Required Courses (contd)</u>	<u>Units</u>
Cartography	3
Chemistry for Sanitary Engineers	2
Waste Water Collective Collection	2
Waste Treatment	2

<u>Elective Courses</u>	<u>Units</u>
Air Pollution	2
Principles of Environmental Health	
Industrial Hygiene	2
Solid Waste Disposal	2

The following courses are offered during the second year -

First Semester

<u>Required Courses</u>	<u>Units</u>
Water Distribution	2
Waste Water Treatment	2
Industrial Waste Treatment	2
Vector Control	2
Food Sanitation and Hygiene	2

<u>Elective Courses</u>	<u>Units</u>
Stream Sanitation	2
Air Pollution Monitoring and Control	2
Radiation Health and its Uses	2
Chemical Pollutants of Environment	2
Organization and Management	2

- Second Semester (Field Work)

Sixteen weeks of supervised field work in one or more health departments. Arrangements for this period will be made on an individual basis with sponsoring agencies. During this period, the student is also expected to prepare his thesis.

Requirements for the Degree

During the first year the student must complete successfully a total of at least 24 units. He should also participate fully in summer field work (three months).

During the first semester of the second year he should successfully complete 12 units, and must spend the second semester in supervised field work. The writing of a thesis (4 units) after completion of field work is required for MSPH Degree in Environmental Sanitation.

MSPH in Hospital Administration

The objective of this course is to provide training to potential managers of hospital services and medical care administrators.

Requirements for admission:

- (a) B.A. or B.S. Degree or higher from an approved college or university in economics, accounting, social sciences medical record, and health sciences.
- (b) Graduates of the Schools of Administrative Sciences and Business Management.
- (c) Graduates of approved Medical Schools, Schools of Dentistry and Pharmacy.

Selection is made by entrance examination and interview.

The Curriculum

The course of hospital administration in the School of Public Health is a two-year program. The first year is designed for basic public health and general administration subjects. During this period the student is also acquainted with the theoretical aspects of hospital administration. The first semester of the second year is designed for the special subjects of hospital administration, and the rest of the year is spent in residency program.

First Year

Two semesters of 16 weeks each on a full-time basis, followed by two weeks for examination.

The following courses are offered in the first year:

<u>Required Courses</u>	<u>Units</u>
Biostatistics (A)	3
General Epidemiology	2
Principles of Public Health Practice	2
Principles of Environmental Sanitation	2
Research Methods in Health Sciences	2
Medical Information (A)	2
Organization and Management	2
Human Relation in Administration	2
Personnel Management	2
Medical Care Administration	2
Hospital Economics	2

<u>Elective Courses</u>	<u>Units</u>
Organization and Management	2
Medical Sociology	2

Second Year - First Semester

Medical Records and Statistics	2
Hospital Planning, Development, Commissioning and Evaluation	2
Hospital Paramedical and Technical Services	2
Cost Efficiency in Hospitals	2
Hospital Problems (seminar)	2
Medical Information (B)	2
Hospital Organization and Management	2

Requirements for the Degree

During the first academic year the student is expected to complete successfully a total of 23 units and also to participate fully in summer field work. During the first semester of the second year he should successfully complete 12 units and spend the rest of the year in residency program.

Writing and passing of a thesis (4 units) is required for MSPH Degree in Hospital Administration.

MSPH in Health Education

Requirements for admission:

This program is offered to the holders of B.A., B.S. or higher degrees in the following areas: education, social sciences (psychology, sociology and anthropology), natural sciences (biology), health sciences and graduates of the School of Medicine.

Selection is made by entrance examination and interview.

The Curriculum

This is a two-year course consisting of 3 semesters of academic full-time study, and one semester of supervised field work.

The following courses are offered in the first year:

<u>Required Courses</u>	<u>Units</u>
Biostatistics (A)	3
General Epidemiology	2
Introductory Pathobiology	3
P.H. Practice	2
Medical Information (A)	2
Environmental Sanitation	2
Health Education(A)	2
Community Development	2
Sociology and Anthropology	2
Research Methods in Health Sciences	2
Group Dynamics	2
Family Planning	2
<u>Elective Courses</u>	
Mental Health	2
Human Ecology	2
Advanced Biostatistics	2

Second Year

It consists of one semester of academic study and one semester of supervised field work.

First Semester

The following courses are offered in the first semester:

<u>Required Courses</u>	<u>Units</u>
Health Education (B)	4
Health Education in School	2
Modern Principles and Techniques of Education	2
Principles of Nutrition	2
<u>Elective Courses</u>	
Medical Sociology	2
Sociology of Third World	2
Demography	2

Second Semester

Sixteen weeks of supervised field work in one or more Health Departments. Arrangements for this period will be made on an individual basis with sponsoring agencies. During this period, the student is expected to prepare his thesis as well.

Requirements for the Degree

During the first year the student must complete successfully at least a total of 24 units. He should also participate fully in summer field work. During the first semester of the second year he should successfully complete 12 units and must spend the second semester in supervised field work.

Passing the comprehensive examination and writing of a thesis (4 units) is required for MSPH Degree in Health Education.

MSPH in Medical Entomology and Vector Control

Requirements for admission:

This program is offered to the holders of B.S. degree or higher in biology, general agriculture, pest control, veterinary and graduates of the Schools of Medicine, Veterinary Medicine and Pharmacy.

Selection is made by examination and interview.

The Curriculum

This is a two-year course consisting of 3 semesters of academic full-time studies and one semester of supervised field work in the research field stations.

First Year

It consists of two semesters of academic study period and three months of summer field work.

The following courses are offered in the first year:

	<u>Units</u>
Biostatistics (A)	3
General Epidemiology	2
Introductory Pathobiology	3
Principles of Environmental Sanitation	2

	<u>Units</u>
Introductory Entomology	2
Animal Biology (A)	4
" " (B)	2
Insect and Rodent Physiology	2
Epidemiology in Entomology	2
Chemical Pollutants of Environment	2

Second YearFirst Semester

Insecticides and Other Pesticides	2
Toxicology and Biochemistry of Pesticides	3
Vector Control	3
Special Problems	2
Advanced Medical Entomology	2

Second Semester

Sixteen weeks of supervised field work in one or more research field stations will be arranged on an individual basis. During this period the student is also expected to prepare his thesis.

Requirements for the Degree

During the first year the student must complete successfully at least a total of 24 units. He should also participate fully in 3 months of summer field work. During the first semester of the second year he should successfully complete 12 units and must spend the second semester in supervised field work.

Passing the comprehensive examination and the writing of a thesis (4 units) is required for MSPH Degree in Medical Entomology.

MSPH in Nutrition

Requirements for admission:

This program is offered to the holders of B.S. degree or higher in the following branches:

- Chemistry, Agricultural Industry and Animal Husbandry, Nutrition and other health sciences.
- Graduates of the Schools of Medicine, Veterinary Medicine and Pharmacy.

Selection is made by entrance examination and interview.

The Curriculum

This is a two-year course consisting of 3 semesters of academic full-time studies and one semester of supervised laboratory work in research stations of food production industries.

First Year

It consists of two semesters of academic study period and three months of summer field work.

The following courses are offered in the first year:

First Semester

<u>Required Courses</u>	<u>Units</u>
Biostatistics (A)	3
General Epidemiology	2
P.H. Practice	2
Planning in Nutrition	2
Seminar in Nutrition (A)	2
Advanced Nutrition (A)	3
Environmental Sanitation	2
Research Methods in Health Sciences	2

Elective Courses

According to the background and desire of the student to pursue advanced Nutrition Sciences or Applied Nutrition and with the consent of the advisor, each student can elect 6 units from the following courses:

Advanced Biochemistry (A)	2
Lab. Techniques in Nutrition	2
Principles of Nutrition	2
Demography	2
Organization and Management	2
Human Genetics	2
Nutrition and Development	2
Metabolism	2
Human Ecology	2

Second Year

Required Courses

Epidemiology of Malnutrition	2
Nutrition Surveys	2
Seminar in Nutrition (B)	2

Elective Courses:

With the consent of his advisor, each student can elect 6 units from the following courses:

Advanced Nutrition (B)	2
Planning in Nutrition (B)	2
Factors Effecting Food Values	2
Agricultural Economics	2
Sociology of Third World	2

Second Semester

During the second semester, the student can choose one of the following three possibilities of field work:

1. Field research stations of the School of Public Health and the Institute of Public Health Research.
2. Participate in the research projects of the Department.
3. Individual research under supervision of the Faculty.

During this period the student can write and complete his thesis.

Requirements for the Degree

During the first year the student must complete successfully at least a total of 24 units. He should also participate fully in 3 months of summer field work.

During the first semester of the second year he should successfully complete at least 12 units and spend the second semester in supervised field work or in research.

Passing the comprehensive examination and the writing of a thesis (6 units) is required for MSPH Degree in Nutrition.

MSPH in PathobiologyRequirements for admission:

- (a) This program is offered to the holders of B.S. degree or higher in the following branches: laboratory sciences, biology, medicine, vet. medicine and pharmacy.
- (b) Selection is made in accordance with the general rules and procedures of graduate studies of the University of Teheran.
- (c) Presentation of written recommendation from the institution where candidate is employed stating their agreement with his or her full-time studies at the School of Public Health.

The Curriculum

The minimum period of study to obtain MSPH Degree in Pathobiology is 24 months, which consists of 2 semesters academic studies followed by 3 months summer field work in the first year and one semester studies followed by 8 months of practical and field work during the second year. During the later period, the student should prepare his thesis.

First Year

	<u>Units</u>
Biostatistics (A)	3
Cytology - Haematology - Histology	2
Immunology and Serology	2
Bacteriology	3
Virology	2
Mycology	2
Protozoology	2
Helminthology	2
General Epidemiology	2
Medical Entomology	2
Advanced Biochemistry (B)	2

Summer Period (10 weeks)

According to the desire of the student and after evaluation of his achievements, the student can choose one of the following five major areas and pursue his summer work in the laboratories concerned

Major Areas

Lab. Research
Lab. Diagnosis

Minor Areas

Virology, Mycology
Bacteriology, Mycology
Bacteriology, Protozoology
Bacteriology, Helminthology
Protozoology, Mycology

Second Year

<u>Required Course</u>	<u>Units</u>
Principles of Environmental Sanitation	2
<u>Elective Courses</u>	
Blood Groups and Blood Banque	2
Diagnostic Biochemistry	2

Diagnostic Bacteriology	4
" Parasitology	2
" Mycology	2
" Immunology and Serology	2
Histotechnology	2
Lab. Management	2
Advanced Bacteriology	4
Advanced Immunology	4
Advanced Virology	4
Advanced Mycology	4
Advanced Parasitology	4
Research Methods in Health Sciences	2

Laboratory and Field Work

The second semester and the following summer is spent in the laboratories of the major area and/or in the field research stations.

Thesis and Research

Each student must select a topic and work in the laboratories concerned under the guidance of the faculty. The findings are presented as a thesis according to the general rules and procedures of the University.

Degree Requirements

During the first year, the student must successfully complete at least 23 units of required courses as well as participate in 10 weeks of summer field work.

During the first semester of the second year the student must complete 12 units of major courses and spend the second semester in laboratory work.

Writing a thesis (4 units) is required for graduation.

MSPH in Biostatistics

Requirements for admission:

- (a) This program is offered to the holders of B.S. or B.A. degree, or higher, in the following branches: statistics, mathematics, physics, social sciences (demography), and economics.
- (b) Selection is made in accordance with the general rules and procedures of graduate studies of the University of Teheran.
- (c) Presentation of written recommendation from the Institution where the candidate is employed stating their agreement with his or her full-time studies at the School of Public Health.

The Curriculum

The minimum duration of study for Master of Science degree in Biostatistics is 2 years (24 months) of full-time studies. It consists of 2 academic semesters followed by 3 months summer work in the first year and one academic semester followed by 8 months field work, research and preparation of thesis in the second year.

First Year

<u>Required Courses</u>	<u>Units</u>
Biostatistics (B)	3
Medical Information (A)	2
Demography	2
Advanced Biostatistics	2
Evaluation and Research Methods	2
Analytical Demography	2
Sampling	3
Mathematical Statistics	3
<u>Elective Courses</u>	
Medical Sociology	2
Principles of Environmental Sanitation	2
Principles of Public Health Services	2

Summer Period

Each student is required to spend 10 weeks either in the School of Public Health, Statistics Center of Iran or Statistical Department of the Ministry of Health for practical work in statistical methodology.

Second Year

	<u>Units</u>
Principles of Epidemiology	3
Statistical Theories	4
Computers	3
Statistical Methods in Bioassay	2

Field Work

From the beginning of the second semester for the period of 8 months, each student is expected to work in statistical and research centers available in Teheran and approved by the School under the supervision of the faculty.

Thesis and Research

Each student is obliged to choose a subject in his major area of study for his thesis and to prepare a report or a paper under the supervision and guidance of his faculty advisor.

In the first year, each student must successfully complete 23 units as well as participate in 10 weeks summer work.

In the second year, a minimum of 12 required units plus 7 months of field work and presentation of a thesis (4 units) is required for the Degree of MSPH in Biostatistics.

MSPH in Radiation HealthRequirements for admission:

This program is offered to holders of B.S. or higher degree in one of the subjects of basic sciences (Physics, Chemistry, Mathematics, Biology) or Engineering Sciences (Mechanical, Electronic, Polytechnic) and Medical and Radiological Sciences.

The candidate should fulfill other qualifications required by the regulations governing the M.S.P.H. courses at the University of Teheran.

Selection is made by entrance examination and interview.

The Curriculum

The minimum period of study to obtain MSPH Degree in Radiation Health is 24 months, which consists of two academic semesters followed by 10 weeks summer practical work in the first year and one academic semester followed by 8 months of practical and field work as well as research and preparation of a thesis in the second year.

First Year

<u>Required Courses</u>	<u>Units</u>
Biostatistics (A)	2
Epidemiology	2
Environmental Health	2
Radiation Physics	2
Basic Radiological Health	3
Radiation Detection and Measurement	3
Environmental Radioactivity	2
Elementary Radiobiology	2
<u>Elective Courses</u>	
Principles of Public Health Practice	2
Mathematics	2
Physics	2
Biology	2

Summer Period

Each student is required to spend 10 weeks and to receive supervised practical training in an approved laboratory or research unit, administered by the scientific institutions (Teheran University Nuclear Center, School of Public Health, School of Medicine, School of Sciences, etc.) or operating agencies (Ministry of Health, etc.).

Second Year

<u>Required Courses</u>	<u>Units</u>
Radiation Dosimetry	2
Radiation Protection	3
Nuclear Instrumentation	3
<u>Elective Courses</u>	
Facility Planning	2
Reactor Hazard Evaluation	2
Radiation Shielding	2
Advanced Radiology	2
Protection in uses of Medical Radioisotopes	2
Radio Toxicology	2

Practical Training

From the beginning of the second semester of the second year and for the period of 8 months, each student is required to do supervised work in the above-mentioned laboratories or approved scientific units abroad.

Thesis and Research

Each student must select a topic and work in the units and laboratories concerned under the guidance of the faculty. The findings are presented as a thesis according to the general rules and procedures of the University of Teheran.

Degree Requirements

During the first year the student must successfully complete at least 23 units of required courses as well as participate in 10 weeks of summer practical work.

During the first semester of the second year the student must complete 12 units of required courses and spend the second semester and the following summer in laboratories or approved units.

Writing a thesis is required for graduation.

MSPH in Occupational Hygiene and Industrial Safety

Requirements for admission:

- (a) This program is offered to the holders of B.S. or higher degree in one of the subjects of basic sciences (Physics, Industrial Hygiene, Chemistry, Biology, Computer, ~~the Health~~ Sanitation, Geology) or Engineering Sciences (Mechanical, Polytechnic).
- (b) Selection is made in accordance with the general rules and procedures of graduate studies of the University of Teheran.
- (c) Selection is made by entrance examination and interview.

The Curriculum

The minimum duration of study for Master of Science degree in Occupational Hygiene and Safety is two years (24 months) of full-time studies. It consists of 2 academic semesters followed by 6 weeks summer work in the first year and one academic semester followed by 4 months of field work, research and preparation of thesis in the second year.

<u>First Year</u>	<u>Units</u>
Biostatistics (A)	3
Epidemiology	2
Environmental and Industrial Sanitation	2
Introductory Pathobiology	3
Ergonomics	2
Industrial Psychology	2
Planning in Occupational Health	3
Occupational Safety and First Aid in Industry	3
Education and Management in Occupational Health	2
Rural Health	2

Summer Period

Each student is required to spend 6 weeks either in the School of Public Health, Ministry of Health, Industrial Organization, etc..

Second Year

	<u>Units</u>
Occupational Health Engineering (A)	3
" " " (B)	3
Occupational Disease Prevention	3
Occupational Toxicology and Pharmacology	3

Field Work

From the beginning of the second semester for the period of 4 months, each student is expected to work in industrial and research centers approved by the school under the supervision of the faculty.

Thesis and Research

Each student is obliged to choose a subject in his major area of study for his thesis and to prepare a report or a paper under the supervision and guidance of his faculty advisor.

Degree Requirements

During the first year, the student must successfully complete at least 24 units of required courses as well as participate in 6 weeks of summer practical work.

During the second year the student must complete 12 units of required courses and spend the second semester in approved units.

MSPH in Immunobiology (International)

The School of Public Health offers a degree of Master of Science in Immunobiology, leading to a Doctorate degree, to be awarded by some participating institutions abroad. This program, planned in collaboration with members of the faculty of the Harvard School of Public Health, is taught in English. Visiting professors from Harvard and other institutions listed below will participate in teaching and will be members of the evaluating committees in charge of selecting students for the Doctoral degree. These include: the University of California at Los Angeles, London University, the Weizmann Institute of Science, WHO Immunology Research and Training Center at the American University in Beirut, the Basel Institute of Immunology, and others. Selected Iranian students will receive scholarships toward the Doctoral degree.

Requirements for Admission

- (a) This program is offered to the holders of a Bachelor degree or equivalent in the fields of Biomedical Sciences. A good knowledge of the English language is absolutely essential for admission.
- (b) Acceptance is based on academic records, letters of recommendation and interviews if possible.
- (c) Applicants are required to take proficiency tests in biochemistry, genetics, general and medical microbiology which will be in English.

Requirements for the Degree

Students must spend at least two years but not more than three years in full-time residence at the University or its stations during the summer months. In addition to the general requirements of the Graduate School, students must meet the following departmental requirements:

- a) A total of 32 units including 26 hours of required courses and 6 hours of electives must be passed. Electives may be taken from other departments by approval of the advisory committee.

- b) Second-year students are required to assist in teaching laboratory courses for one semester.
- c) Thesis
Candidates are required to complete a research project of their own choice. The results should be presented in the form of a thesis acceptable to the advisory committee and defended in a public lecture.

Tuition Fees and Costs

The tuition fee for students is Ir Rials 5850 (approximately US \$90) per semester, payable at registration and at the beginning of each semester. This fee is inclusive of tuition, laboratory fees and examination fees. Students must pay for their food, lodging, thesis preparation and any incidental expense. As part of the tuition fees, students will benefit from the medical and hospital facilities available to all students of the University of Teheran.

Stipend:

Teaching assistantship for second-year students will be provided by the School according to the rules of the University at about \$100 per month.

Curriculum of the Courses and Credits (32 units)

The minimum period of study to obtain an MSPH degree in Immunobiology is 24 months, which consists of 2 semesters academic studies followed by 3 months summer field work in the first year and two semesters studies during the second year. During the later periods, the student should prepare a thesis.

First Year

<u>Required Courses</u>	<u>Units</u>
Introductory Immunology	3
Immunological Methods	2
Biostatistics	3
Comprehensive Epidemiology	3
Seminar in Immunology	2
Immunobiology	3

<u>Elective Courses</u>	<u>Units</u>
Immunogenetics	2
Immunochemistry	2
Immunology	2

Summer field work (10 weeks):

During the summer months students must participate in a field study, either in hospital, research centers or with a research group at one of the 9 research stations of the School around Iran.

<u>Second Year</u>	<u>Units</u>
Immunology of Infectious Parasitic Diseases in Iran	4
Advance Topics in Immunology	2
Seminar in Immunology	2

<u>Elective Courses</u>	
Serology Diagnosis of Viral Diseases	2
Antigenic Competition	2
Immunopathology of Human Diseases	2
Hypersensitivity	2
Tumor Immunology	2
Serology Diagnosis in Influenza	2

<u>Elective Courses (contd.)</u>	<u>Units</u>
Homocytotropic Antibodies	2
Bacterial Plasmids	2
Role of Macrophages in Immunity	2
Transplantation Immunology	2

3. DIPLOMA IN PUBLIC HEALTH

One-year course of P.H. Nursing

Requirements for admission:

- (a) Diploma in Nursing from any accredited school of nursing.
- (b) A minimum of two years experience in public health nursing.
- (c) Selection of the students is made in accordance with the general rules and procedures of graduate studies of the University.
- (d) Presentation of written recommendation from the institution where candidate is employed stating their agreement with her full-time studies at the School of Public Health.
- (e) In case the applicant is not an employee of an organization, her acceptance will depend upon presentation of a written guarantee to work with a Health Organization upon graduation.

The Curriculum

The minimum duration for Diploma in P.H. Nursing is one year full-time study composed of 2 semesters of academic work and one semester (summer period) field work.

<u>First Semester</u>	<u>Units</u>
Biostatistics (A)	3
Introductory Pathobiology	2
Environmental Sanitation	2
Principles of P.H. Practice	3
Principles of Nutrition	2
Medical Sociology	2
Demography	2
Group Dynamics	2
<u>Second Semester</u>	
Public Health Education	2
Principles of Maternal and Child Health	2
Family Planning	2
Mental Health	2
Human Relation in Administration	1
P.H. Nursing Services	5
P.H. Nursing Administration and Management	2
General Epidemiology	2

Summer Period

Each student is expected to spend 10 weeks in approved health centers under supervision of the faculty.

Final Report

Each student must select a topic in relation to P.H. Nursing during the second semester and under the supervision and guidance of the faculty, prepare a report which should be submitted to the faculty.

B. UNDERGRADUATE PROGRAMS1. UNIVERSITY OF TEHERAN SCHOOL OF MEDICINE

The School of Public Health, as a whole, acts as the Department of Health Sciences of the School of Medicine and offers the following courses to medical students:

- Human Ecology (3 units)
- Medical Sociology (3 units)
- Biostatistics (2 units)
- Medical Parasitology (15 units)
- Principles of Epidemiology (4 units)
- Public Health and Preventive Medicine (3 units)
- Internship, 3 months (elective)

2. UNIVERSITY OF TEHERAN SCHOOL OF PHARMACY

- | | |
|-----------------|-----------------------------------|
| <u>2nd year</u> | Principles of Nutrition (2 units) |
| | Industrial Health (2 units) |
| | Parasitology (3 units) |
| | Public Health (2 units) |
| | Biostatistics (2 units) |

3. UNIVERSITY OF TEHERAN SCHOOL OF DENTISTRY

- Public Health (2 units)
- Biochemistry (2 units)

4. UNIVERSITY OF TEHERAN SCHOOL OF SOCIAL SCIENCE

- Birth Control (2 units)
- Physiology of Reproduction (3 units)
- Medical Sociology (2 units)
- Human Genetics (2 units)

5. UNIVERSITY OF TEHERAN SCHOOL OF LAW

- | | |
|-----------------|----------------------|
| <u>2nd year</u> | Demography (2 units) |
|-----------------|----------------------|

6. UNIVERSITY OF TEHERAN SCHOOL OF EDUCATION

- School Health (2 units)

7. UNIVERSITY OF TEHERAN SCHOOL OF AGRICULTURE

- Environmental Health (2 units)

8. UNIVERSITY OF TEHERAN SCHOOL OF FORESTRY

- Environmental Health (2 units)

9. UNIVERSITY OF TEHERAN SCHOOL OF VETERINARY MEDICINE

- Principles of Nutrition

10. UNIVERSITY OF TEHERAN SCHOOL OF SCIENCES
 - Immunology (2 units)
 - Virology (2 units)
11. UNIVERSITY OF TEHERAN HIGH INSTITUTE OF MIDWIFERY
 - Public Health (1 unit)
 - Biostatistics (1 unit)
12. HIGH INSTITUTE OF HOSPITAL SCIENCES
 - Work Environmental Health (2 units)
 - Health and Tropical Medicine (2 units)
 - Principles of Environmental Health (2 units)
 - Medical Parasitology (2 units)
13. SCHOOL OF NUTRITION
 - Child Development (2 units)
 - Medical Sociology (2 units)
 - Epidemiology (2 units)
 - Industrial Health (3 units)
14. SCHOOL OF SOCIAL WORK
 - Environmental Sanitation (2 units)
15. HIGH INSTITUTE OF NURSING (Firouzgar Medical Center)
 - Microbiology (4 units)
 - Parasitology (3 units)
 - Biostatistics (3 units)
 - Research Methods (2 units)
 - Public Health (3 units)
16. ASHRAF SCHOOL OF NURSING
 - Epidemiology (1 unit)
 - Biostatistics (1 unit)
 - Introductory Nutrition (1 unit)
 - Medical Sociology (2 units)
17. REZASHAH KABIR SCHOOL OF NURSING
 - Parasitology (2 units)
 - Communicable Disease (2 units)
 - Preventive Medicine (1 unit)
 - Statistics (2 units)
18. RAZY SCHOOL OF NURSING
 - Parasitology (2 units)

19. SHAFI SCHOOL OF NURSING
Educational Technology (2 units)
20. ROYAL SCHOOL OF NURSING
Research Methods (2 units)

C. AUXILIARY TRAINING PROGRAMS

1. SANITARY ENGINEERING AID TRAINING (FARIS SCHOOL)
- | | | |
|-------------------------------|-----------|-----------------|
| Bacteriology and Parasitology | 105 hours | Regular Program |
| Communicable Disease Control | 90 | " " " |
| Physics | 27 | " " " |
| Mathematics | 45 | " " " |
| Housing | 24 | " Upon Request |
| Vector Control | 60 | " " " |
| Rodent Control | 21 | " " " |
2. TECHNICAL AND VOCATIONAL SCHOOL (MINISTRY OF HEALTH)
- | | |
|---------------|----------|
| Public Health | 72 hours |
| Parasitology | 16 " |
3. HEALTH CORPS
- MEDICAL ASSISTANTS (8 groups of 100 persons)
- | | |
|-----------------|----------|
| Disease Control | 14 hours |
|-----------------|----------|
- MEDICAL GROUP (4 groups of 100 persons)
- | | |
|-----------------|----------|
| Public Health | 22 hours |
| Family Planning | 30 " |
4. DENTAL HYGIENIST TRAINING PROGRAM
- | | |
|---------------|---------|
| Biochemistry | 2 units |
| Nutrition | 2 " |
| Public Health | 2 " |

D. INSERVICE TRAINING PROGRAMS

These types of programmes are organised on the basis of the request of national or international organizations.

E. INTERNATIONAL COURSES

In the past two periods of special international courses, one on "Malaria Entomology" for WHO staff, and the other on "Epidemiology and Bacteriology of Enteric Infections" were organized in collaboration with WHO.

In November 1968, a six-week course on "Evaluation and Measurement Techniques in Health Education" was held at the School of Public Health with the sponsorship of WHC (EMRO), with the participation of 25 health educators from different countries.

Two courses on "Health and Manpower Planning" were held in 1969 and 1971 and two on "Nutrition" in 1972 and 1974 with the cooperation of WHO, where more than 50 persons participated from 10 different countries.

Beginning the academic year 1973-74, a Master Degree Program in Radiation Health was organized at the School of Public Health with the cooperation of the Medical School and Atomic Center of Teheran University and WHO. Four International and seven National students were engaged in this course.

For the academic year 1975-76, a Master of Public Health Program majoring in Malaria and other parasitic diseases has been planned with the collaboration of WHO. This course is open to participants from all countries.

For the academic year 1975-76, a MSPH program on Immunobiology has been planned in collaboration with members of the faculty of Harvard School of Public Health.

Under special arrangements, courses can be organized on special health problems or disease control programs.

MEMBERS IN THE DEPARTMENT
DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

V. Nahapetian, M.D., M.P.H.	Professor & Head of Department
A. Nadin, M.D., Dr. P.H.	Professor of Epidemiology
H. Sabbaghian, D.V.M., V.P.H.	Professor of Epidemiology
F. Azordegan, Dr. Pharm., M.P.H., M.S.P.H.	Assistant Professor of Biostatistics
K. Mohammad, Ph.D.	Assistant Professor of Biostatistics
P. Kamali, M.S.P.H.	Instructor of Biostatistics
H. Malekafzali, M.D., M.P.H.	Assistant Professor of Biostatistics
B. Aramesh, M.D., D.E.N.S.P.	Associate Professor of Epidemiology
Kh. Moradpoor, M.D.	Associate Professor of Epidemiology
K. Nasser, D.V.M., Ph.D.	Assistant Professor of Epidemiology
Sh. Salmasizaden, M.D.	Assistant Professor of Epidemiology
F. Amini, M.D.	Assistant Professor of Epidemiology
A. Sing, M.D., M.P.H.	Assistant Professor Epidemiology

DEPARTMENT OF PATHOBIOLOGY

F. MODABBER, Ph.D.	Associate Professor (Immunobiology and Head of Department
D. Badalian, Dr.Pharm.	Associate Professor (Bacteriology
R. Gharagozloo, Dr.S	Associate Professor (Bacteriology,
M. Khakpoor, M.D.,M.P.H.	Associate Professor (Virology)
N. Mohagheghpoor, Ph.D.	Associate Professor (Immunobiology)
S. Mohajeri, Dr.Sci.,M.P.H.	Associate Professor (Bacteriology)
R. Nategh, M.D.	Associate Professor (Virology)
S. Saidi, D.V.M., M.P.H.	Associate Professor (Virology)
M. Anjargholi, Ph.D.	Assistant Professor (Immunobiology)
S. Sadeghi, M.D.	Assistant Professor (Immunobiology)
P. Parvaz, Dr.Pharm.,Ph.D.	Assistant Professor (Immunobiology)
P. Gharibshahi, M.Sci.	Instructor (Bacteriology)
M.S. Enayat, M.Sci.	Instructor (Immunobiology)
P. Ghavamian, M.S.	Instructor (Bacteriology)
H. Pichakian, M.S.	Instructor (Immunobiology)

DEPARTMENT OF ENVIRONMENTAL HEALTH

B. Janbakhsh, D.V.M., D.A.P.E.	Associate Professor and Head of the Department
A. Mesghali, M.D., D.T.M & H.	Professor of Environmental Health
M. Motabar, M.D., Ph.D.	" " " "
E. Javadian, D.V.M., M.Sc.	" " " "
A. Manouchehri, D.V.M.	" " " "
R. Rezeghi,	Associate Professor of Environmental Engineering
M. Shariat, Dr.Sc.	Associate Professor of Environmental Hydrology
P. Samar, Ph.D.	Assistant Professor of Environmental Sanitation
S. Tirgari, Dr. Sc.	Assistant Professor of Environmental Biology
A. Ardalan, D.V.M.	Assistant Professor of Entomology
K. Imandel, M.P.H., Environmental Hygienist	Assistant Professor of Environmental Engineering
M. Ghiasedin, Dr.Sc.	Assistant Professor of Environmental Engineering
A.R. Farhang Azad, Ph.D.	Assistant Professor of Entomology
Sh. Navai, B.S.	Instructor of Biology
M. Lotfi, B.S.	" " Entomology
B. Khademi, B.S.	" " Health Physics
F. Rowhani, B.S., M.S.P.H.	" " Environmental Health
Gh. Jamshidi Nia, M.S.P.H.	Instructor of Environmental Health
Z. Sahabi, B.S.	Instructor of Environmental Health Biology

M. Rashti, B.S., M.S.P.H.	Research Assistant, Biologist
E. Saebi, B.S., M.S.P.H.	" " "
N. Eshghi, B.S.	" " " and
	Director of Karyerun Research
	Station
A. Zaini, B.S.	Director of Bandar Abbas Research
	Station
J. Amirkhanian, B.S.	Research Associate, Genetics

DEPARTMENT OF PUBLIC HEALTH PRACTICE

B. Ghaemian, M.D.,DIHD.,DHSA.	Professor of Hospital Adminis- tration and Head of the Department
F. Amini, M.D.,D.T.M. and H.	Professor of Social Medicine
H. Basseghi, M.D.	Professor of Public Health Adminis- tration
G. Sarookhanian, M.D.,M.P.H.	Professor of Public Health Adminis- tration
B. Navidi-Kasmai, M.D.,M.P.H., Pediatrician	Associate Professor of Maternal and Child Health
M.A. Barzegar, M.D.,M.P.H.	Assistant Professor of Social Medi- cine
B. Nikpoor, M.D.,M.P.H. Health Re	Assistant Professor of P.H.Admini- stration
F. Shafii, Ph.D. Sociology	Assistant Professor of Sociology and Director of Health Education Program
A. Alemi, M.D.,M.Sc.	Assistant Professor of Social Medi- cine
Kh. Majidi, Ph.D.	Assistant Professor of Hospital Ad- ministration
K. Saleh, M.S.P.H.,Dr.P.H.	Assistant Professor of Hospital Ad- ministration
F. Madjlessi, M.D.,M.P.H.	Assistant Professor of M.C.H.
M. Behnam, M.D.	Assistant Professor of Social Medi- cine
M. Semsar-Yazdi, D.D.S.,M.S.P. H.	Instructor of Public Health Practice
M. Gheibi. B.Sc.,M.S.P.H.	Instructor of Health Education

DEPARTMENT OF MEDICAL PARASITOLOGY AND
MYCOLOGY

H. Mohsenin, M.D.	Professor of Parasitology and Head of the Department
F. Arfaa, M.D., D.C.M.T., M.P.H.	Professor (Helminthology) and Associate Dean of School
M. Asgari, M.D.	Professor (Mycology)
Gh. Edrissian, Dr. Pharm., Dr. Lab tech.	Professor (Protozoology)
M. Emami, Dr. Pharm., M.P.H.	Professor (Mycology)
E. Ghadirian, D.V.M.	Professor (Helminthology)
Gh. Sahba, Dr. Pharm., DAP and E., M.P.H., Dr. Ph.	Professor (Helminthology)
A. Sanati, M.D.	Professor (Protozoology)
I. Farahmandian, M.D., M.P.H.	Associate Professor (Helmin- thology)
M. Ghorbani, Dr. Pharm., M.Sc Med. Parasitology	Associate Professor (Proto- zoology)
A. Hamidi, D.V.M.	Associate Professor (Para- sitology)
J. Massoud, D.V.M., DAP and E., D. Ph.D.	Associate Professor (Helmin- thology)
A. Sadighian, D.V.M.	" " (Helmin- thology)
F. Sheiban, D.V.M.	" " (Proto- zoology)
M. Aliloo, D.V.M.	Assistant Professor (Mycology)
I. Mobedi, D.V.M., M.Sc.	" " (Helmin- thology)
S. Sajadi, B.S.	Research Assistant (Helmin- thology)
P. Shahighi, B.S.	" " (Helmin- thology)
L. Vedadi, B.S.	" " (Helmin- thology)

DEPARTMENT OF HUMAN ECOLOGY

Ch.M. Mofidi, M.D., M.P.H.	Professor of Human Ecology
Gh. Jalali, M.D., M.S.P.H.	Professor of Human Ecology
Sh. Hedayat, M.D., D.I.H.D.	Professor and Head of Department of Human Ecology (Nutrition)
H. Ghasemi, Dr. of Pharm. M.Sc., M.P.H.	Associate Professor of Human Ecology (Nutrition)
K. Montazami, Dr. of Pharm.	Associate Professor of Ecology (Biochemistry)
S. Vaghefi (Elourchi), Ph.D.	Assistant Professor of Ecology (Nutrition)
M. Froozani, Ph.D.	Assistant Professor of Human Ecology (Nutrition)
M. Mohseni, Ph.D.	Assistant Professor of Human Ecology (Medical Sociology)
D. Farhood, M.D., Ph.D.	Assistant Professor of Human Ecology (Genetics)
S. Azari, M.D., M.P.H.	Assistant Professor of Human Ecology
A. Majd, M.D., M.P.H.	Assistant Professor of Human Ecology
A. Jazayerie, Ph.D.	Assistant Professor of Human Ecology (Nutrition)
F. Siasi, Ph.D.	Assistant Professor of Human Ecology (Nutrition)
E. Keyvan, M.D.	Assistant Professor of Human Ecology

DEPARTMENT OF OCCUPATIONAL HEALTH

N. Kavousi, M.D., D.I.H., F.R.S.H.	Professor, Head of Department
G.H. Sanai, Dr. Pharm.	Professor
B. Samimi Sheidai, Ph.D.	Assistant Professor
P. Meshki, Dr. Pharm., D.I.H.	Assistant Professor
D. Parvizpour, M.D., D.I.H.	Assistant Professor
S.H. Ghavamian, B.S., M.S.P.H.	Instructor
F. Akbar Khanzadeh, M.S.P.H., D.I.H.	Researcher Assistant

RESEARCH PROJECTS OF THE SCHOOL
AND INSTITUTE
WITH THE NAME OF PRINCIPAL
INVESTIGATORS

1. A.A. Alemi
Longitudinal Health Survey in the Western Region of Caspian Littoral.
2. M. Anjargholi
In Vitro Investigation of the Cellular Immune Responses in the Oesophageal Cancer Patients.
3. B. Aramesh
Epidemiology of Oesophageal Cancer in the Caspian Littoral of Iran.
4. F. Arfaa
Evaluation of different Methods of Control of Human Helminthiasis in Iran.
5. A. Ardalan
Studies on Simulidae of Iran.
6. M. Asadi
Economical Evaluation of Application of Oxidation pond Versus Trickling Filter in Isfahan.
7. M. Asgari
Research on the Isolation of Cryptococcus Neoformans in the Soil of Caspian Sea Area.
8. S. Azari
Isolation of Virus in Products of Conception in Spontaneous Abortion
9. S. Azari
Urinary Excretion of Serotonine Following the Use of Oral Contraceptive.
10. K. Badalian
Further Studies on the Drug Resistance and RTF in Shigella.

11. M. Barzegar
Health Services Research Development Project in Iran.
12. H. Baseghi
Long Term Health Planning of the Country.
13. Gh. Edrisian
Seroepidemiological Studies of Malaria in Iran(Azarbaijan)
Using LHA Technique.
14. M.S. Enayat
Cellular Response to Toxocara canis Infection in Guinea Pig.
15. M.S. Enayat
Immunological Analysis of Extracts from Various Stags of
Life Cycle of Toxocara canis.
16. N. Eshghi
Evaluation of Malaria Eradication Operation in Southern
Parts of Fars Province.
17. M. Froozani
Study on some Nutrients in the Blood of Mothers and Their
Newborns in two different socioeconomic groups.
18. R. Gharagozloo
Study of Some Laboratory Epidemiological and Clinical Factors
in R. Fever and Glomerulonephritis Patients.
19. H. Ghassemi
Nutritional Studies among Children.
20. H. Ghassemi
Longitudinal Study in Nutrition, Health and Development of
the Infants in Tehran.
21. M. Ghiassedin
Analysis of Industrial Waste in Iran.
22. M. Ghorbani
Sero-epidemiological Studies of Toxoplasmosis in Iran
(Azarbaijan) by indirect Fluorescent antibody technique.
23. Gh. Jalali
Longitudinal Health Survey in the Eastern Region of Caspian
Littoral.

24. Gh. Jamshidinla
Removal of Nitrates ^{or} from Potable Water by Anion
Exchange Resins.
25. B. Janbakhsh
Myiasis in Man and Animal.
26. B. Janbakhsh
Percentage of Sporadic Relapsing Fever Infections in
Rodents in Southern Iran.
27. E. Javadian
Control of Cutaneous Leishmaniasis by Vaccination.
28. E. Javadian
Study on Cutaneous Lleshmaniasis in Khuzestan Area.
29. N. Kavooosi
A Prepilot on Evaluation of Occupational Health
and Safety Activities in Iran.
30. B. Khademi
A Study on Genetic and Somatic Changes of Man and
Domestic Animal, in Area of High Natural Radiation
(Ramsar).
31. B. Khademi
Study of RA^{226} , RN^{222} and PB^{210} in Human and Animals
in Areas of High Natural Radioactivity of Ramsar.
32. M. Khakpour
Influenza Surveillance in Iran.
33. M. Lofti
Research on Genus Culex and Aedes from Biological
and Ecological Point of View and Fauna of these
two Genuses in Iran.
34. A. Majd
Relationship between infant's birth weight and some
physical and environmental variables of the mother.
35. A. Majd
Examination of Some Environmental Variables in
Relation to Birth Weight of Infants.

36. J. Masoud
Preliminary investigation on helminthic infection of carnivores in Iran (at present in Khuzestan).
37. J. Masoud
Preliminary investigation of intestinal helminthiasis in Dasht-Mishan and Ahwaz areas, Khuzestan, Iran.
38. J. Masoud
Studies on the parasitic trematodes in Iran.
39. J. Masoud
Observations on the effect of Molluscicide (Frescon) in very low dosages on the aquatic life in Khuzestan.
40. J. Masoud
Studies on the urinary schistosomiasis in Dasht-Mishan area (Border of Iran and Iraq).
41. A. Khooshkroo Mansoori
Observations on the effect of slow release (Copper Content) Molluscicide on the aquatic snails in Khuzestan.
42. A. Mesghali
Environmental Health Survey in Kashan and Vicinities.
43. P. Meshgi
A study on the working environmental conditions, and their effects on the health of the workers in Vegetable Oil Plants in Iran.
44. I. Mobedi
Invasion of the Intestinal Protozoa in Trichuriasis.
45. N. Mohaghegh Pour
Immune Responses Against Tumor Antigens in Oesophageal Cancer Patients.
46. N. Mohaghegh Pour
Studies on Immunogenetics of Armenian and Jewish Population.
47. S. Mohajer
Studies on Toxicogenic E. Coli and their importance in Diarrheal Diseases in Iran.

48. S. Mohajer
Playe Typing Ceute for Salmonelleae.
49. S. Mohajer
Study of R-Factor among Salmonella and E. Coli
Isolated in Iran.
50. K. Mohammad
Hospital Admission in Teheran University Hospital.
51. M. Mohseni
A Study on Concepts of Health, Illness and Treatment
in Iran.
52. H. Mohsenin
Prevention of Blindness from Trachoma and Associated
Diseases.
53. K. Montazami
The Relationship of Hypertension to the Height, Weight
and Blood Lipids in Bandar Abbas, Khuzestan and
Ghasghali nomades.
54. K. Montazami
Study on the Quantatative Changes of Some Blood
Constituents induced by Oral Contraceptives.
55. K. Montzami
Serum Carbohydrate and Lipid Abnormalities in
Patients with Ischemic Heart Disease.
56. Kh. Moradpour
Longitudinal studies on the communicable diseases
in Iran.
57. V. Nahapetian
Estimation of Vital Rates (Deaths and Births) in Iran.
58. V. Nahapetian
Analysis of the Results of Health Surveys Conducted
in Isfahan, Khuzestan and Coastal Provinces.
59. M. Najmabadi
The Islamic Medical Books edited by the Iranian
Physicians.

60. R. Nategh
Epidemiological Study of HB Ag in Southern Regions
of Iran and its Relation to Liver Abnormalities.
61. B. Nikpoor
Longitudinal Health Survey in Isphahan Province.
62. P. Parvaz
Study on Immunosuppression in Animal after Injection
of an Antigen.
63. D. Parvizpoo
A Study on the working environmental conditions, and
their effects on the Health of the workers in Textile
Industries in Iran.
64. Z. Pour Ansari
Study on Still Birth.
65. S. Sadeghi
Immunopathological study of Mediterranean lymphoma.
66. S. Sadeghi
The reappearance of HLA Antigen following mixed
leukocyte culture.
67. S. Sadeghi
The Evaluation of Lymphocytic Reaction Around
Oesophageal Cancer Cells and in Vitro Reactions
Between Autologous Lymphocytes and Oesophageal Cancer
Cells.
68. S. Sadeghi
The Immunological Changes in the Infectious Diseases
of Children.
69. A. Sadighian
Study on Visceral larva migrans in laboratory animals.
70. S. Saidi
Arbovirus Studies in Iran.
71. P. Samar
Physical and Chemical Treatment of Ground Water
Polluted by Detergent.

72. P. Samar
An Evaluation of Applicability of Physical-Chemical
Treatment in Re-Use of Teheran Domestic Waste Water.
73. B. Samimi
Occupational and Environmental Conditions in Iran's
Glass Industries Related to the Production of
Silicosis.
74. F. Sheiban
The Evaluation of the Effects of Fasigin on Giardiasis.
75. S. Targari
The study of Biology of Snsil Killing Flies (Sepedon
Spheges) in the North of Iran.
76. A. Zeini
Evaluation of Malaria Eradication Operation in
Bandar Abbas area, Saheli Province.
77. A. Zeini
Susceptibility Tests on Anopheline Mosquitoes (Vector
Species) of Iran.

Publications 1975

1. Arfaa, F. (1975)
Studies on Schistosomiasis in Somalia (1975)
Amer. J. Trop. Med. Hyg. 24 pp. 280-283
2. Ardalan, A. (1975)
Mallophaga of Iran
II 5 New Records of Mallophaga from Iran
Bulletin de la Pathologie Exotique 68:93-94
3. Amirshahi, P. Salimpoor, R. Kamali, P. Hedayat, S. Kohansedgh, S. Roohani, G. (1975)
The Amino-Acid Ratio Serum Proteins and Haematological Studies on Marasmic Children
Environmental Child Health, 21:321-324
4. Badalian, K. Der-Sarkissian, H. Sabetzadeh, H. (1975)
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5. Badalian, K. Sheiban, F. Nategh, R. Asgari, M. Nafici, K. Shahid, S. (1975)
Distribution of enteropathogens associated with diarrhoea among infants and children of high and low socio-economic classes in Teheran
Iranian J.P.H. 4:107-121
6. Daneshpajouh, M. Barzegar, M.A. Nadim, A. (1975)
Epidemiologie de la Maladie cardiovasculaire dans la population urbaine de la ville Pahlavi (Nord de l'Iran).
7. Daneshpajouh, M. Nadim, A. Motabar, M. (1975)
Correlations entre la Symptomatologie Electrocardiographique et l'Hypertension Arterielle dans deux de population.
Sem. Hop. Paris, 51:2043-2047
8. Daneshpajouh, M. Nadim, A. Amini, H. (1975) ECG
Abnormalities in rural areas of east Azerbaijan Northwest Iran.
Iranian J.P.H. 4:122-135
9. Edrissian, Gh. Ghorbani, M. Tahvildar Bidruni, Gh. (1975)
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10. Eshghy, N. Motabar, M. Janbakhsh, B. (1975)
Field trials of sumithion (OMS-43) and Malathion residual sprays for control of Anopheles stephensi Mysorensis in the Mamasani Area, Southern Iran. 1974
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11. Ghadirian, E. Arfaa, F. (1975)
Present status of Trichostrongyliasis in Iran
Amer. J. Trop. Med. Hyg. 24:935-941
12. Gharagozloo, R. A. Darougar, F. Ghavamian, P. (1975)
Evaluation of Seven Experimental Staphylococcal Phages.
Iranian J. P. H. 3:176-178
13. Ghavam, Nejad, A. Mohagheghpour, N. (1975)
Cellular Immunity in Malnourished Mice.
Nutrition and Metabolism 19:158-160
14. Hormozdiani, H. Day, N. E. Aramesh, B. Mahboubi, E. (1975)
Dietary factors and esophageal cancer in the Caspian Littoral
of Iran.
Cancer Research 35:3493-3498
15. Hedayat, Sh. Shafaei, A. Shariat, Sh. Tabatabai, Lotfie, B. (1975)
Cirrhosis of the liver in Iran. A retrospective study based
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