

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Department**



Academic Program and Course Description Guide

2024

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: University of Diyala

Faculty/Institute: College of Medicine

Scientific Department: Medicine

Academic or Professional Program Name: Bachelor of Medicine and General Surgery

Final Certificate Name: Bachelor of Medicine and General Surgery

Academic System: Courses (first course + second course)

Description Preparation Date:

2024

File Completion Date: 4/2/2024

Signature:

Head of Department Name:

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the Dean

1. Program Vision

Following graduation, our students will be able to work in a multidisciplinary team in health sector to ensure the team's optimal functioning and effective patient outcomes.

2. Program Mission

Our college seeks to get the international accreditation, rise to the global level in terms of the outcome's quality, and graduate medical doctors who are highly effective in patient care, medical education research, and community service.

3. Program Objectives

- Achieving of quality standards and medical accreditation according to IGL derived on the basis of scientific institutional quality standards.
- Graduating medical doctors, with a bachelor's degree in medicine and general surgery, who will be well-prepared to conduct a patient examination, diagnose the disease, and dispense treatment on a scientific and medical basis, advanced clinical, and professional knowledge, skills, and attitudes they need to practice in an ethical manner to provide excellent health services and enable them for long life learning.
- Following graduation, our students will be able to work in a multidisciplinary team in health sector to ensure the team's optimal functioning and effective patient outcomes.
- Preparing doctors who will be able to interact in the workplace and solve urgent problems in response to the needs of the health delivery system/ society and changing circumstances which make them capable of working in Iraq and internationally, as well as pursuing postgraduate study and training in any medical branch.
- Graduating doctors with high skills and knowledge in conducting scientific research in basic, clinical, behavioral, and biomedical fields.
- Encouraging faculty, staff, and students to enhance their technical skills and utilize information and communication technology to convey knowledge, produce scientific research, and create curricula for educational programs.
- Implementing a development program for the faculty and staff.

4. Program Accreditation

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5. Other external influences

Teaching hospital, library, internet, community, doctors' syndicate.

6. Program Structure

| Program Structure | Number of Courses | Credit hours | Percentage | Reviews* |
|---------------------------------|--------------------------|---------------------|-------------------|-----------------|
| Institution Requirements | 4 | 13 | 100% | |
| College Requirements | 4 | 13 | 100% | |

| | | | | |
|--------------------------------|------|------|------|--|
| Department Requirements | 4 | 13 | 100% | |
| Summer Training | None | None | None | |
| Other | None | None | None | |

* This can include notes whether the course is basic or optional.

| 7. Program Description | | | | |
|------------------------|------------------|-------------------------------|------------------|----------------------|
| Year/Level | Course Code | Course Name | Credit Hours | |
| 2023-2024/Third | COM313 | Family and Community Medicine | Theory: 30 hours | Practical: 30 hours |
| 2023-2024/Fourth | CMED411, CMED412 | Family and Community Medicine | Theory: 90 hours | Practical: 120 hours |

| 8. Expected learning outcomes of the program |
|---|
| Knowledge |
| Introducing students to the principles of family and community medicine and their relationship to the health system followed. |
| Skills |
| Providing students with special skills to know the health problems that society suffers from, their causes, how diseases are distributed and the influence of various factors in them, and to know the most appropriate ways and means to solve these problems. |
| Providing students with basic skills to perform various statistical tests. |
| Ethics |
| Gain the ability to deal with patients and meet their needs. |
| Gain the ability to optimally deal with medical records and statistics. |

| 9. Teaching and Learning Strategies |
|---|
| <ol style="list-style-type: none"> 1 - Giving theoretical lectures. 2 - Special practical laboratories to gain skills in solving statistical problems. 3- Laboratory of application of nutritional measurements. 4- Practical and clinical training in hospitals and health centers. 5- Field training to various relevant institutions. 6- Integrated, in-person and e-learning (via the Classroom platform). 7- Seminars and weekly discussion groups. |

8- Small group discussion and suggestion of solutions to individuals and community problems.

10. Evaluation methods

- 1- Mid-course and final exams.
- 2- Pop quizzes.
- 3- Score for exercises.
- 4- Oral, practical and clinical examinations.
- 5- Reports.

11. Faculty

| Faculty Members | | | | | | |
|--------------------|------------------------------|---|---|--|------------------------------|----------|
| Academic Rank | Specialization | | Special Requirements/Skills (if applicable) | | Number of the teaching staff | |
| | General | Special | | | Staff | Lecturer |
| Professor | Medicine and General Surgery | Infectious Diseases | | | 1 | None |
| Professor | Medicine and General Surgery | Occupational and Environmental Medicine | | | 1 | None |
| Lecturer | Medicine and General Surgery | Community Medicine | | | 1 | None |
| Assistant lecturer | Medicine and General Surgery | Medical Microbiology | | | 1 | None |

Professional Development

Mentoring new faculty members

Introductory seminars and symposia for new faculty members with periodic meetings to introduce them to the work with daily guidance and continuous follow up along with advising and instructing them.

Professional development of faculty members

Continuous learning by searching for developments using the library and the Internet, in addition to attending seminars and specialized scientific symposia, along with active attendance in teaching hospitals to hone skills.

12. Acceptance Criterion

The admission is centralized through the Ministry of Higher Education and Scientific Research, based on the student's score in the twelfth grade (scientific branch) after preparing the online form for that.

13. The most important sources of information about the program

University and college website, in addition to website of the Ministry of Higher Education and Scientific Research, along with college library and university's central library.

14. Program Development Plan

- Developing the scientific and administrative staff in the college through annual evaluation files that reveal strengths and weaknesses.
- Carrying out evaluation studies related to developing and improving the performance of senior leaders, faculty members and staff working in the college.
- Propose strategies, plans and operational policies to ensure quality and reliability.
- Develop guidelines for methods of applying quality and academic accreditation in order to reach the best.
- Developing detailed data and statistics about the college, its objectives, departments, activities and future plans to be accomplished.
- Providing advice and guidance on what the institution should do in order to improve for the best in full compliance with accreditation standards.

| Program Skills Outline | | | | | | | | | | | | | | | |
|------------------------|------------------|-------------------------------|-------------------|------------------------------------|----|----|----|--------|----|----|----|--------|----|----|----|
| | | | | Required program Learning outcomes | | | | | | | | | | | |
| Year/Level | Course Code | Course Name | Basic or optional | Knowledge | | | | Skills | | | | Ethics | | | |
| | | | | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 |
| 2023-2024/Third | COM313 | Family and Community Medicine | Basic | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2023-2024/Fourth | CMED411, CMED412 | Family and Community Medicine | Basic | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
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- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

Course Description Form

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| 1. Course Name: | |
| Family and Community Medicine | |
| 2. Course Code: | |
| COM313, CMED411, CMED412 | |
| 3. Semester / Year: | |
| 2023/2024 | |
| 4. Description Preparation Date: | |
| 4/2/2024 | |
| 5. Available Attendance Forms: | |
| Mandatory attendance | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| Total number of hours: 120 theoretical hours + 150 practical hours (13 units) Third year: 30 hours theoretical + 30 hours practical (3 units) Fourth stage: 90 theoretical hours + 120 practical hours (10 units) | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Prof. Dr. Nadhim Ghazal Noaman e-mail: nadhim@uodiyala.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | <ul style="list-style-type: none"> • Providing students with special skills to know the health problems that society suffers from, their causes, how diseases are distributed and the influence of various factors in them, and to know the most appropriate ways and means to solve these problems. • Providing students with basic skills to perform various statistical tests. • Providing students with the skills to measure the nutritional status of the population. |
| 9. Teaching and Learning Strategies | |

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| Strategy | <p>Giving theoretical lectures.</p> <p>Special practical laboratories to gain skills in solving statistical problems.</p> <p>Laboratory of application of nutritional measurements.</p> <p>Practical and clinical training in hospitals and health centers.</p> <p>Field training to various relevant institutions.</p> <p>Integrated, in-person and e-learning (via the Classroom platform).</p> <p>Seminars and weekly discussion groups.</p> <p>Small group discussion and suggestion of solutions to individuals and community problems.</p> |
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| 10. Course Structure (third academic level / first course) | | | | | |
|---|--------------|-----------------------------------|-----------------------------|---|--|
| Week | Hours | Required Learning Outcomes | Unit or Subject Name | Learning Method | Evaluation Method |
| 1 | 1 | Introduction & Definitions | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 2 | 1 | Data Collection | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 3 | 1 | Sampling Methods | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 4 | 1 | Data Presentation | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 5 | 1 | Measurements of Central Tendency | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 6 | 1 | Measurements of Variability | Biostatistics | Discussions, theory | Discussions, reports, |

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|----|---|---|---------------|---|--|
| | 2 | Practical Training | | lectures & practical sessions | quizzes, and examinations (theory & practical) |
| 7 | 1 | Range & Variance | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 8 | 1 | Standard Deviation & Coefficient of Variation | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 9 | 1 | Probability (Part 1) | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 10 | 1 | Probability (Part 2) | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 11 | 1 | Student's t-Test | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 12 | 1 | Chi-square Test (Part 1) | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 13 | 1 | Chi-square Test (Part 2) | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |
| 14 | 1 | Correlation & Regression (Part 1) | Biostatistics | Discussions, theory lectures & practical | Discussions, reports, quizzes, and examinations |
| | 2 | Practical | | | |

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|----|---|-----------------------------------|---------------|---|--|
| | | Training | | sessions | (theory & practical) |
| 15 | 1 | Correlation & Regression (Part 2) | Biostatistics | Discussions, theory lectures & practical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 2 | Practical Training | | | |

| 11. Course Structure (third academic level / second course) | | | | | |
|--|-------------------|---|-------------------|-------------------|---|
| Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method |
| 1 | 1 | Introduction & Definitions | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 2 | 1 | Nutrients | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 3 | 1 | Proteins | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 4 | 1 | Fats & Lipids | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 5 | 1 | Carbohydrates | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 6 | 1 | Vitamins | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 7 | 1 | Minerals | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 8 | 1 | Nutrition of Pregnant & Lactating Women | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 9 | 1 | Nutrition in Hypertension & Diabetes Mellitus | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 10 | 1 | Nutrition in | Nutrition | Theory | Discussions, |

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|----|---|--|-----------|-----------------|---|
| | | Thyroid Disorders | | lectures | reports, quizzes, and examinations |
| 11 | 1 | Nutrition in Anemia & Heart Failure | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 12 | 1 | Nutrition in Renal Failure | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 13 | 1 | Total Energy Requirements (Part 1) | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 14 | 1 | Total Energy Requirements (Part 2) | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |
| 15 | 1 | Nutritional Assessment & Recommended Dietary Allowance | Nutrition | Theory lectures | Discussions, reports, quizzes, and examinations |

| 12. Course Structure (fourth academic level / first course) | | | | | |
|--|-------------------|---|---|---|--|
| Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method |
| 1 | 1 | Introduction & Definitions | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Definition, History, and Objectives | Occupational Medicine | | |
| | 1 | PHC System (Health & Population) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 2 | 1 | Incidence & Prevalence | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Functions of Occupational Health Centers | Occupational Medicine | | |
| | 1 | PHC System (Public Health & Principles of PHC System) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 3 | 1 | Measurements of Risk | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Heat | Occupational Medicine | | |
| | 1 | PHC System (Al-mata Declaration & Components of PHC System) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 4 | 1 | Sources of Infections | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Cold | Occupational Medicine | | |

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| | 1 | PHC System (Levels of Care) | Primary Health Care System | | practical) |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 5 | 1 | Definitions & Common Terms of Communicable Diseases | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Pressure | Occupational Medicine | | |
| | 1 | PHC System (Needs & Benefits) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 6 | 1 | Study Design | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Noise | Occupational Medicine | | |
| | 1 | PHC System (Referral System) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 7 | 1 | Screening for Diseases | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Vibration | Occupational Medicine | | |
| | 1 | PHC System (Strategies of PHC System) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 8 | 1 | Evaluation of Screening Tests | General Epidemiology | Theory lectures & | Discussions, reports, |

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|----|---|--|---|---|--|
| | 1 | Ionizing & Non-ionizing Radiation | Occupational Medicine | practical / clinical sessions | quizzes, and examinations (theory & practical) |
| | 1 | Child Health Care (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 9 | 1 | Investigation of Epidemics | General Epidemiology | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Chemical Hazards (Toxicology & Body Defense) | Occupational Medicine | | |
| | 1 | Child Health Care (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 10 | 1 | Acute Respiratory Infection (ARI) | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Lung Diseases (Asbestosis & Pneumoconiosis) | Occupational Medicine | | |
| | 1 | Maternal Health Care (Antenatal Care & Nutrition during Pregnancy) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 11 | 1 | Whooping Cough | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Lung Diseases (Silicosis & Byssinosis) | Occupational Medicine | | |
| | 1 | Maternal Health Care (Maternal Mortality) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |

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|----|---|-------------------------------|---|---|--|
| 12 | 1 | Mumps | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Occupational Skin Diseases | Occupational Medicine | | |
| | 1 | Vaccination (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 13 | 1 | Diphtheria | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Heavy Metals | Occupational Medicine | | |
| | 1 | Vaccination (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 14 | 1 | Tetanus | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Occupational Accidents | Occupational Medicine | | |
| | 1 | Administration (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 15 | 1 | Poliomyelitis | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Biological Hazards | Occupational Medicine | | |
| | 1 | Administration (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |

13. Course Structure (fourth academic level / second course)

| Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method | Evaluation Method |
|-------------------|-------------------|-------------------|---------------------|-------------------|-----------------------|
| 1 | 1 | Amebic Dysentery | Infectious Diseases | Theory lectures & | Discussions, reports, |

| | | | | | |
|---|---|---|---|---|--|
| | 1 | Definition, and Biological, Physical, and Social Environment (Part 1) | Environmental Medicine | practical / clinical sessions | quizzes, and examinations (theory & practical) |
| | 1 | Health Education (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 2 | 1 | Typhoid Fever | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Definition, and Biological, Physical, and Social Environment (Part 2) | Environmental Medicine | | |
| | 1 | Health Education (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 3 | 1 | Meningococcal Meningitis | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Air Pollution (Part 1) | Environmental Medicine | | |
| | 1 | Family Medicine (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 4 | 1 | Leishmaniasis | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Air Pollution (Part 2) | Environmental Medicine | | |
| | 1 | Family Medicine (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the | | |

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|---|---|---|---|---|--|
| | | | Aforementioned Subjects | | |
| 5 | 1 | Hepatitis A | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Water Pollution (Part 1) | Environmental Medicine | | |
| | 1 | School Health Services | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 6 | 1 | Hepatitis B | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Water Pollution (Part 2) | Environmental Medicine | | |
| | 1 | Mental Health & Mental Disorders (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 7 | 1 | Hemorrhagic Fever | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Acid Rain | Environmental Medicine | | |
| | 1 | Mental Health & Mental Disorders (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 8 | 1 | Brucellosis | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Soil Pollution | Environmental Medicine | | |
| | 1 | Millenium Development Goals | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the | | |

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|----|---|---|---|---|--|
| | | | Aforementioned Subjects | | |
| 9 | 1 | Measles | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Global Warming | Environmental Medicine | | |
| | 1 | Acquired Immunodeficiency Syndrome (AIDS) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 10 | 1 | Tuberculosis | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Green House Effects | Environmental Medicine | | |
| | 1 | Sexually Transmitted Diseases (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 11 | 1 | Cholera | Infectious Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Ozone Depletion and Ultraviolet Radiation Health Effects (Part 1) | Environmental Medicine | | |
| | 1 | Sexually Transmitted Diseases (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 12 | 1 | Cancer | Cancer | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Ozone Depletion and Ultraviolet Radiation Health Effects (Part 2) | Environmental Medicine | | |
| | 1 | Reproductive Health | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |

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|----|---|--------------------------------------|--|---|--|
| 13 | 1 | Ischemic Heart Diseases | Cardiovascular Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Environmental Sanitation and Hygiene | Environmental Medicine | | |
| | 1 | Family Planning (Part 1) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 14 | 1 | Hypertension | Cardiovascular Diseases | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Hospital Waste | Environmental Medicine | | |
| | 1 | Family Planning (Part 2) | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |
| 15 | 1 | ICD-11 | International Statistical Classification of Diseases and Related Health Problems (ICD) | Theory lectures & practical / clinical sessions | Discussions, reports, quizzes, and examinations (theory & practical) |
| | 1 | Sewage Disposal | Environmental Medicine | | |
| | 1 | Population Pyramid | Primary Health Care System | | |
| | 4 | Practical / Clinical Training | Practical / Clinical Aspects of the Aforementioned Subjects | | |

| 14.Cours Evaluation | |
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| 1- Mid-course and final exams. 2- Pop quizzes. 3- Score for exercises. 4- Oral, practical and clinical examinations. 5- Reports. | |
| 15. Learning and Teaching Resources | |
| Required textbooks (curricular books, if any) | Biostatistics: A Foundation for Analysis in the Health Sciences, Daniel, Wayne W. Human Nutrition Basic Epidemiology Infectious Diseases ICD-11 Textbook of Occupational Medicine Practice Textbook of Clinical Occupational and Environmental Medicine Primary Health Care: Theory and Practice |
| Main references (source) | Community Public Health in Policy and Practice Community Health Worker's Sourcebook Integrating health in urban and territorial planning Fundamentals Biostatistics |
| Recommended book and references (scientific journals, reports) | Journal of Community Nutrition & Health Journal of Community Health Research Journal of School of Public Health and Institute of Public Health Research Journal of Family and Community Medicine Safety Science Scandinavian Journal of Work, Environment and Health Annual Review of Nutrition |
| Electronic references, websites | WHO website CDC website The United States National Library of Medicine American Public Health Association |