



University of Warith Al-Anbiyaa

College of Medicine

Department of Family and Community Medicine

## Academic Program and Course Description Guide

Community Medicine for fourth Class  
2025-2026

التوقيع :  
اسم معاون العلمي :  
التاريخ : ٢٠٢٥ / ٧ / ٢٤

تاريخ ملء الملف : 2025 / 7 / 24  
التوقيع :

اسم رئيس الفرع : أ.د. عبد الكريم عبدالله محمود  
التاريخ : 2025 / 7 / 24

دقق الملف من قبل  
شعبة ضمان الجودة والأداء الجامعي  
اسم مدير شعبة ضمان الجودة والأداء الجامعي :  
التاريخ : ٢٠٢٥ / ٧ / ٢٤  
التوقيع :

مصادقة السيد العميد  
أ.م.د. عبد الكريم عبد الوهاب  
عميد كلية الطب  
التاريخ : ٢٠٢٥ / ٧ / ٢٤



## Course Description Form

### Academic Program Description

This academic program description provides a concise summary of the program's main features and the expected learning outcomes that students are required to achieve, serving as evidence of whether they have made the most of the learning opportunities provided. It is accompanied by a description of each course within the program.

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|--|
| <b>1. Course Name:</b> Community Medicine – Theoretical Program  |
| <b>2. Course Code:</b> MED405 COM  |
| <b>3. Level:</b> Annual Course / Fourth Year   |
| <b>4. Date of Preparation:</b> 24/07/2025  |
| <b>5. Attendance Modes:</b> 5.   |
| In-class lectures  |
| Online lectures .1   |
| <b>6. Total Study Hours / Units:</b> 105 theory hours / 7 units  |
| <b>7. Course administrator's name (mention all, if more than one name)</b>   |
| <p>Prof Dr Abdulkareem A Mahmood</p> <p>Prof Dr Ali A. Sdoon</p> <p>Prof Dr Ali Al Mosawi</p> <p>Pro Dr Ali Abdul Ridha Kadhim</p> <p>Dr Basheer Aqeel Muslim ,Assis.Prof</p> <p>Maher Jawad Kadhim</p> <p>Dr Hajer K Aloosi</p> <p>Dr. Buraq M Raheem</p>   |
| <b>8. Course objectives</b>  |
| <ol style="list-style-type: none"> <li>1. To acquire basic knowledge on main components of community medicine interests</li> <li>2. To develop relevant competencies and skills in epidemiology and statistics so as to be able to measure and evaluate health and health care services</li> <li>3. To develop abilities and competencies in the epidemiology and control of major health problems at population level</li> <li>4. To develop basic principles of scientific research</li> <li>5. To develop understanding of primary health care as strategy and services to the population</li> <li>6. To contribute to the requirements of graduation of competent doctors to serve national, regional as well as local goals</li> <li>7. To be prepared for postgraduate training in the future</li> <li>8. To be prepared to pursue self-learning towards continuing professional development.</li> </ol> |



## 9. Teaching and Learning Strategies

- Application of blended learning (in-class and online in case of holidays or emergencies)
- Teaching in large groups divided into two subgroups for theoretical sessions

strategy

## 10. course structure

| المحور                                       | الساعات | مخرجات التعلم المطلوبة  | اسم الوحدة او الموضوع   | طريقة التعلم | التقييم |
|--|---------|---|---|--------------|---------|
| 1.   | 15      | <p>البيانات الوبائية</p> <p>المؤشرات الصحية: التكرار، النسبة، المعدل</p> <p>مقاييس الوفيات:</p> <p>تدابير المراضة</p> <p>مستويات الوقاية</p> <p>الرابطه والسببية</p> <p>اختبارات الفحص والتشخيص - معايير الفحص</p> <p>قياسات صلاحية اختبار الفحص</p> <p>طرائق البحث: مقدمة عن البحوث</p> <p>فرضية البحث، سؤال البحث، تصاميم الدراسة الرصدية، تصاميم الدراسة التداخلية، البحوث النوعية واستخداماتها.</p> <p>-النهج في البحوث النوعية.</p> <p>طرق أخذ العينات وطرق جمع البيانات/ تصميم الاستبيانات</p> <p>مهارات كتابة مقترح البحث/ المقابلة</p> <p>مبادئ أخلاقيات البحث</p> <p>كتابة ورقة بحثية</p> <p>البحث في الويب وقواعد البيانات</p> <p>ملاحظة النهاية</p> <p>التحيز والإرباك</p> | <p>Introduction: concept of health &amp; disease, definition of epidemiology, epidemiological uses &amp; approaches (2hrs)</p> <p>Epidemiological data: types, sources and limitations</p> <p>Epidemiological measurements: rates, proportions and ratios (2hrs)</p> <p>Descriptive epidemiology: person, place and time</p> <p>The concept of association, causation, risk</p> <p>Designing epidemiological studies</p> <p>Descriptive epidemiological studies: Cross-sectional,</p> <p>Analytical epidemiological studies (Longitudinal, Case control, Cohort,), Interventional</p> <p>Qualitative researches (2hrs)</p> <p>screening and quality control of screening and diagnostic tests-clinical epidemiology (2hrs)</p> <p>The concept and investigation of epidemic</p> |              |         |
| 2- وبائيات الأمراض الانتقالية والسيطرة عليها | 30      | <p>• التهابات الجهاز التنفسي الحادة، ومداها، وأسبابها، وعوامل الخطر واستراتيجيات السيطرة عليها</p> <p>الالتهابات الطفحجية والسعال الديكي والأنفلونزا</p> <p>انتقال القطرات</p> <p>السل، كوفيد-19</p> <p>الأمراض التي تنتقل عن طريق الماء والغذاء</p> <p>التيفوئيد، الكوليرا</p> <p>التهاب الكبد أ، هـ</p> <p>الأمراض المولدة عن طريق ناقلات العدوى</p>  | <p>-DEFINITION OF TERMS</p> <p>- INTERNATIONAL CLASSIFICATION OF DISEASE (ICD 10)</p> <p>-INFECTIONS ACQUIRED THROUGH THE GASTROINTESTINAL TRACT</p> <p>Diarrhoeal diseases: extent of the problem, causes, risk factors and control</p> <p>Comparative epidemiology of rotavirus, salmonella, cholera and shigellosis</p> <p>Amoebiasis and shigellosis</p> <p>Bacterial food poisoning</p> <p>Poliomyelitis</p> <p>Infections hepatitis A</p> <p>Typhoid and paratyphoid fever</p>  |              |         |



|  |   |  |    |  |
|--|---|--|----|--|
|  | <p>- INFECTIONS ACQUIRED THROUGH THE RESPIRATORY SYSTEM (AIR BORNE INFECTIONS)</p> <p>Acute respiratory infection (ARI): extent, causes, risk factors and strategies of control of ARI</p> <p>Exanthematous infection: Measles, German measles, chicken pox...etc</p> <p>Mouth and throat infection: Diphtheria, mumps, and tonsillitis</p> <p>Whooping cough</p> <p>Tuberculosis</p> <p>Leprosy</p> <p>Acute bacterial meningitis</p> <p>- PERCUTANEOUS INFECTION: INFECTIONS ACQUIRED THROUGH THE SKIN</p> <p>Insect bites: malaria, leishmaniasis, rickettsia</p> <p>Abrasions: anthrax</p> <p>Animal bites, rabies</p> <p>Wounds: tetanus</p> <p>Injections: hepatitis B, AIDS</p> <p>Penetration: Schistosomiasis, hookworm</p> <p>-SEXUALLY TRANSMITTED DISEASES</p> <p>- ZOONOTIC INFECTIONS</p> <p>- NOSOCOMIAL INFECTIONS AND TRAVELLER HEALTH</p> | <p>لدغة الحشرات: الملاريا، داء الليشمانيات، الأمراض المنقولة جنسيا</p> <p>الأمراض المنقولة عن طريق الدم، الحقن:</p> <p>• التهاب الكبد B، C، D</p> <p>الإيدز</p> <p>الالتهابات الحيوانية المنشأ</p> <p>عدوى المستشفيات وصحة المسافرين</p> |    |  |
|  | <p>Epidemiology of ischaemic heart diseases</p> <p>Epidemiology of diabetes mellitus</p> <p>Epidemiology of cancer</p> <p>Epidemiology of accidents</p> <p>Epidemiology of mental health and geriatrics, Alzheimer</p>  | <p>وبائية امراض القلب ، السكري، السرطان، الحوادث، الصحة النفسية والعصبية</p>   | 10 | 3. وبائيات والسيطرة على الامراض غير الانتقالية |
|  | <p>History of PHC, PHC Vs secondary health care</p> <p>Components of PHC, Equity in health</p> <p>PHC in Iraq</p> <p>Introduction to family medicine</p> <p>The five star doctor, concepts of family medicine</p> <p>The millennium developmental goals (MDGs), The sustainable developmental goals (SDGs)</p> <p>Universal health coverage (UHC), health in the SDGs</p> <p>Determinants of Health, social determinants of Health</p> <p>Introduction to MCH care, Components of MCH care</p> <p>Prenatal care, antenatal care,</p> <p>Nutrition during pregnancy, infection during pregnancy</p> <p>Natal and postnatal care , Evaluation of MCH care</p>   |  | 20 | 4. الرعاية الصحية الأولية ، صحة الام والطفل    |



|       |  |  |  |     |                                |
|-------|--|--|--|-----|--------------------------------|
|       |  | Under five clinics, IMCNH (IMCI)   |  |     |                                |
|       |  | Development clinics , Growth monitoring  |  |     |                                |
|       |  | Low birth weight and prematurity, neonatal screening   |  |     |                                |
|       |  | Immunization   |  |     |                                |
|       |  | Breast feeding and Child nutrition, Care for handicapped children                            |  |     |                                |
|       |  | School health services: concept and plans 2  |  |     |                                |
|       |  | Vital statistics in MCH care   |  |     |                                |
|       |  | Definition of health and disease within the context of environment, and environmental health |  | 5   | 5. الصحة البيئية               |
|       |  | Basic activities of environmental health   | تعريف المصطلحات البيئية ومبادئ الصحة البيئية   |     |                                |
|       |  | Water: sources , quality and related diseases  |  |     |                                |
|       |  | Air: sources of pollution, health effects and control of air pollution                       |  |     |                                |
|       |  | Toxicology: Common environmental problems  |  |     |                                |
|       |  | Objectives of occupational health services   |  | 5   | 6. الصحة البيئية               |
|       |  | Health hazards associated with work  | تعريف المصطلحات الصحة والسلامة المهنية أهدافها ومبادئها وشرح لبعض اهم المشاكل الصحية للمهنية |     |                                |
|       |  | Health hazards to the environment and community which result from industrial activities      |  |     |                                |
|       |  | Safety measures in occupation  |  |     |                                |
|       |  | Selected occupational diseases   |  |     |                                |
|       |  | Brief historical view of Iraq health system  |  | 5   | 7. الإدارة الصحية              |
|       |  | Concept of administration  | شرح أهمية الإدارة الصحية ومفاهيمها   |     |                                |
|       |  | Planning of health care services   |  |     |                                |
|       |  | Evaluation of health care services   |  |     |                                |
|       |  | Auditing   |  |     |                                |
|       |  | Demography, demographic characteristic of Iraq, population growth rate, population pyramids  |  | 3   | 8. صحة الناس والتركيب السكانية |
|       |  | Demographic indicators, fertility rate, doubling time, dependency ratio, life expectancy.    | تعريف صحة الناس وبعض المؤشرات الديمغرافية  |     |                                |
|       |  | Vital statistics   |  |     |                                |
|       |  | Origin of evidence-based medicine, importance and concepts                                   |  | 2   | 9. الطب المثبت بالبراهين       |
|       |  | Life long learning, CME, and CPD   | أهمية ومبادئ الطب المثبت بالبراهين والتعلم مدى الحياة  |     |                                |
|       |  | Introduction to social medicine  |  | 5   | 10. الطب الاجتماعي             |
|       |  | Smoking and smoking cessation programs   | أهمية الطب الاجتماعي والسلوكي، وبعض السلوكيات غير الصحية                                     |     |                                |
|       |  | Alcohol and substance use  |  |     |                                |
| Total |  |  |  | 105 |                                |

## 11. Evaluation

Student evaluation is based on daily preparation, oral/written exams, monthly tests, assignments, and reports. Total grade: 100 marks

## 2. References

| Required Textbooks:  | Required Textbooks:  |
|--|--|
| <i>Epidemiology, Sixth Edition – Leon Gordis</i>   | <i>Epidemiology, Sixth Edition – Leon Gordis</i>   |
| <i>Biostatistics: A Foundation for Analysis in the Health Sciences, 10th Edition – Wayne W. Daniel</i> | <i>Biostatistics: A Foundation for Analysis in the Health Sciences, 10th Edition – Wayne W. Daniel</i> |



| <i>Principles of Epidemiology – WHO</i> | <i>Principles of Epidemiology – WHO</i>  |
|---|--|
|   | <b>Course Development Plan .3</b>  |
|   | <ol style="list-style-type: none"> <li>1. Adding the latest references and sources.</li> <li>2. Focusing on current and emerging health problems (e.g., hemorrhagic fever, cholera, epidemics).</li> </ol> |
|   | .3   |