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| Epidemiology |
| 2.Course Code: |
| WNR-41-02 |
| 3.Semester / Year: |
| Fourth Stage/First Semester |
| 4.Description Preparation Date: |
| 1/10/2024 |
| 5.Available Attendance Forms: |
| In-person lectures (attendance forms) |
| 6.Number of Credit Hours (Total) / Number of Units (Total) |
| (2) hours Weekly Of (15) weeks. Theory (30) hrs. |
| 7.Course administrator's name (mention all, if more than one name) |
| <p>Name: Murtadha Ghanim Aday</p> <p>Email: murtadha.gh@uowa.edu.iq</p> |
| 8.Course Objectives |

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| | <ul style="list-style-type: none"> • Understand the basic concepts and theories of epidemiology. • Explain the natural history of diseases and the different types of diseases and their methods of transmission. • Describe the methods of preventing diseases and their occurrence or transmission. • Discuss the concepts of epidemiological surveillance and the incubation period for diseases. • Differentiate between the epidemiology of communicable and non-communicable diseases. • Explain the various measurement tools used in epidemiology. • Understand the principles of risk studies and the different methods of epidemiological studies. • Develop skills in designing epidemiological studies and applying statistical methods for data analysis. • Acquire data analysis skills to make informed decisions and develop health policies. • Apply epidemiological principles and methods to nursing and public health practice. • Appreciate the importance of epidemiology in the field of nursing and public health. • Demonstrate a commitment to evidence-based practice and the use of epidemiological data to inform clinical decision-making. • Foster a sense of responsibility in contributing to the overall health and well-being of the population through the application of epidemiological knowledge and skills. |
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1. Teaching and Learning Strategies

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| Strategy | <ul style="list-style-type: none"> - Theoretical lectures. - Discussions. - Reports. |
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| | - Seminars. |
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2. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|----------------------------|---|------------------------------------|----------------------------|--|
| 1 | 2T | <input type="checkbox"/> Define the basic concepts and principles of epidemiology. <input type="checkbox"/> Understand the importance of epidemiology in the field of nursing and public health. | Introduction to Epidemiology | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 2 | 2T | Explain the various theories and models in epidemiology. | Epidemiology Theories | - Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 3 | 2T | Describe the natural history and progression of diseases. | Natural History of Diseases | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 4 | 2T | Differentiate between the types of diseases and their methods of transmission. | Types of Diseases and Transmission | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 5 | Mid-term exam. No 1 | | | | |
| 6 | 2T | Identify the methods for preventing diseases and their occurrence or transmission. | Disease Prevention and Control | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 7 | 2T | Understand the concepts and importance of epidemiological surveillance. | Epidemiological Surveillance | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 8 | 2T | Explain the concept of incubation period for diseases. | Incubation Period | -Lectures. - seminars. | Quizzes, students' participation in the |

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| | | | | | lecture, evaluation. |
| 9 | 2T | Discuss the epidemiology of communicable diseases. | Epidemiology of Communicable Diseases | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 10 | Mid-term exam. No 2 | | | | |
| 11 | 2T | Discuss the epidemiology of non-communicable diseases. | Epidemiology of Non-Communicable Diseases | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 12 | 2T | Identify the various measurement tools and techniques used in epidemiology. | Measurement Tools in Epidemiology | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 13 | 2T | Understand the principles and applications of risk studies in epidemiology. | Risk Studies | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |
| 14 | 2T | Describe the different methods and approaches used in epidemiological studies. | Epidemiological Study Methods | -Lectures. - seminars. | Quizzes, students' participation in the lecture, evaluation. |

3. Course Evaluation

| Evaluation | | | | Score standard |
|------------|--------------------|-----------|---------------------------------|--|
| Formative | | Summative | | -Excellent (90-100) -Very Good (80-less than 90) -Good (70-less than 80) -Fair (60-less than 70) -Acceptable (50-less than 60) - Fail (less than 50) |
| Scores | Evaluation methods | Scores | Evaluation methods | |
| 4% | Daily Quizzes | 10% | First-Mid-term theoretical exam | |
| 2% | Seminars | 10% | Second-midterm exam | |
| 2% | Reports | 70% | Final theoretical exam | |
| 2% | Participation | | | |
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| 10% | | 90% | | |

4. Learning and Teaching Resources

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| Required textbooks | <p>"Epidemiology" by Leon Gordis (6th Edition, 2019), Elsevier, ISBN: 978-0-323-55159-4</p> <p>"Epidemiology for Public Health Practice" by Robert H. Friis and Thomas A. Sellers (5th Edition, 2013), Jones & Bartlett Learning, ISBN: 978-1-4496-3468-3</p> <p>"Principles of Epidemiology in Public Health Practice" by Centers for Disease Control and Prevention (CDC) (3rd Edition, 2012)</p> |
| Electronic References, Websites | <ul style="list-style-type: none"> • World Health Organization (WHO) Epidemiology website: https://www.who.int/topics/epidemiology/en/ May 23, 2023 • Centers for Disease Control and Prevention (CDC) Epidemiology and Prevention website: https://www.cdc.gov/epidemiology/index.html May 23, 2023 • Epidemiology and Health Informatics (EHI) Journal: https://www.ejhi.net/ May 23, 2023 • Journal of Epidemiology and Community Health (JECH): https://jech.bmj.com/ |

رئيس الفرع: م. د. هديل صاحب

فرع تمريض
صحة المجتمع

مدرس المادة: مرتضى غانم عداي

