



جامعة الموصل - كلية الطب البيطري



مفردات الامتحان التنافسي للتقديم الى الدراسات العليا
ماجستير وبائية بيطرية لسنة ٢٠٢٦-٢٠٢٧

*	Objectives of epidemiology and preventive medicine.
*	Uses of epidemiology.
*	Types of epidemiology
*	Diseases Transmission and Determinants
*	Mode of disease transmission.
*	Epidemiological Triad and Causation.
*	Susceptibility.
*	Clinical vs. subclinical diseases.
*	Latent and Patent Infection, carrier status
*	Endemic, epidemic, pandemic, and outbreaks.
*	Occurrence of disease
*	Basic concepts of disease quantification
*	Measures of morbidity: (Prevalence, Incidence, Relationship between prevalence and incidence).
*	Measures of mortality.
*	Study Design
*	Prospective vs. Retrospective
*	Observational studies.
*	Experimental studies.
*	Measures of association
*	Absolute risk, Relative risk, Relative odds (odds ratio), Attributable risk, Hazard ratio.
*	Association vs. causation
*	Survey and Surveillance
*	Control and Eradication of Diseases
*	Assessing validity and reliability of diagnostic tests
*	Sampling and sample size
*	Data collection and management
*	Disease reporting
*	Basics of statistical methods in epidemiology.



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References:

- 1-Thrusfield, M. (2007). Veterinary Epidemiology. 3rd ed. Blackwell Science Ltd.
- 2-Dohoo I, Martin W, Stryhn H. Veterinary Epidemiologic Research. AVC Inc. Charlottetown. Prince Edward Island. Canada (2003).