

**MEDICAL PROGRAM: 2<sup>nd</sup> year 4<sup>th</sup> semester ó A.Y. 2019/20**  
**COURSE: PUBLIC HEALTH, EPIDEMIOLOGY, BIOSTATISTICS**  
**COURSE DIRECTOR: PROF. JAN. E. ZEJDA**

**LECTURES**

**Epidemiology, Public Health & Biostatistics**  
**5 Lectures, 10 hours**  
**e-learning**

#	Date	Topic
1	e-learning	Introduction to Public Health (MK)
2	e-learning	Epidemiology and its contribution to medical research (JEZ)
3	e-learning	Population ó based prevention and health promotion (MK)
4	e-learning	Introduction to biostatistics ó Part I (GB)
5	e-learning	Introduction to biostatistics ó Part II (GB)

**LABORATORIES**

**Epidemiology, Public Health & Biostatistics**  
**15 Laboratories, 30 hours**  
**Tuesday 8.30-10.00; 10.15-11.45**

	Date	Topic	Group A
1.	1 Oct	(M.K.) Public Health, historical background, the main targets and tasks	8.30-10.00
2.	1 Oct	(M.K.) Assessment of population health status ó descriptive epidemiology (basic measures of health and disease)	10.15-11.45
3.	8 Oct	(G.B.) Assessment of population health status	8.30-10.00
4.	8 Oct	(G.B.) Standardization: direct ageóadjustment of mortality rates	10.15-11.45
5.	15 Oct	(G.B.) Assessment of population health status ó analytical epidemiology (types of epidemiological studies ó ecological and cohort)	8.30-10.00
6.	15 Oct	(M.J.) Environmental burden of disease	10.15-11.45
7.	22 Oct	(G.B.) Assessment of population health status ó analytical epidemiology (types of epidemiological studies ó case-control, RR, OR)	8.30-10.00
8.	22 Oct	(G.B.) Randomized controlled clinical trial	10.15-11.45
9.	29 Oct	(G.B.) Evaluating a diagnostic/screening test	8.30-10.00
10.	29 Oct	(G.B.) Bias and confounders in epidemiological studies	10.15-11.45
11.	5 Nov	(G.B.) Tests of statistical significance (continuous and categorical variables)	10.15-11.45
12.	19 Nov	(M.K.) Epidemiology of infectious diseases	8.30-10.00
13.	19 Nov	(K.B.) Types of variables, distribution, analysis of correlations	10.15-11.45
14.	26 Nov	(K.B.) Evidence Based Medicine	8.30-10.00
15.	26 Nov	(K.B.) Association and causation in medicine. Hilló Criteria	10.15-11.45

M.K. ó Prof. M. Kowalska  
G.B. ó Dr hab. G. Bro ek  
K.B. ó Dr K. Bara ski  
M. J. ó Dr Mateusz Jankowski