

MEDICAL PROGRAM: 2nd year 4th semester – A.Y. 2022/23
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 – based prevention and health promotion (MK)
4	e-learning	Introduction to biostatistics – Part I (JEZ)
5	e-learning	Introduction to biostatistics – Part II (JEZ)

LABORATORIES

Epidemiology, Public Health & Biostatistics
15 Laboratories, 30 hours
Tuesday 8.30-10.00; 10.15-11.45; room 412

	Date	Topic	Group A
1.	Feb 28th	(M.K.) Public Health, historical background, the main targets and tasks	8.30-10.00
2.	Feb 28th	(M.K.) Epidemiology of infectious diseases	10.15-11.45
3.	March 7th	(G.B.) Assessment of population health status	8.30-10.00
4.	March 7th	(G.B.) Standardization: direct age-adjustment of mortality rates	10.15-11.45
5.	March 21st	(G.B.) Assessment of population health status – analytical epidemiology (types of epidemiological studies – ecological and cohort)	8.30-10.00
6.	March 21st	(G.B.) Assessment of population health status – analytical epidemiology (types of epidemiological studies – case-control, RR, OR)	10.15-11.45
7.	March 28th	(G.B.) Randomized controlled clinical trial	8.30-10.00
8.	March 28th	(G.B.) Bias and confounders in epidemiological studies	10.15-11.45
9.	April 4th	(M.K.) Assessment of population health status – descriptive epidemiology (basic measures of health and disease)	10.15-11.45
10.	April 18th	(G.B.) Evaluating a diagnostic/screening test	8.30-10.00
11.	April 18th	(G.B.) Tests of statistical significance (continuous and categorical variables)	10.15-11.45
12.	May 9th	(K.B.) Types of variables, distribution, analysis of correlations	8.30-10.00
13.	May 9th	(K.B.) Evidence Based Medicine	10.15-11.45
14.	May 16th	(K.B.) Association and causation in medicine. Hill's Criteria	8.30-10.00
15.	May 16th	(S.S.) Environmental burden of disease	10.15-11.45

M.K. – Prof. M. Kowalska
G.B. – Prof. G. Brożek
K.B. – Dr K. Barański
S.S. – Dr Szymon Szemik