MEDICAL PROGRAM: 2nd year 4th semester – A.Y. 2024/25
COURSE: BIOSTATISTICS, EPIDEMIOLOGY & PUBLIC HEALTH
COURSE DIRECTOR: PROF. GRZEGORZ BROŻEK

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

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