

MEDICAL PROGRAM: 2nd year 4th semester – A.Y. 2025/26
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

#	Topic (Instructor*)	Group 1	Topic (Instructor**)	Group 2
1	Assessment of population health status (GB)	Oct 7 8.30-10.00	Assessment of population health status (GB)	Oct 8 8.30-10.00
2	Standardization: direct age-adjustment of mortality rates (GB)	Oct 7 10.15-11.45	Standardization: direct age-adjustment of mortality rates (GB)	Oct 8 10.15-11.45
3	Types of variables, distribution, analysis of correlations (KB)	Oct 21 8.30-10.00	Public Health, historical background, the main targets and tasks (MK)	Oct 15 8.30-10.00
4	Evidence Based Medicine (KB)	Oct 21 10.15-11.45	Assessment of population health status – descriptive epidemiology (basic measures of health and disease) (MK)	Oct 15 10.15-11.45
5	Environmental burden of disease (SzSz)	Oct 28 10.15-11.45	Types of variables, distribution, analysis of correlations (KB)	Oct 29 8.30-10.00
6	Association and causation in medicine. Hill's Criteria (KB)	Nov 4 8.30-10.00	Evidence Based Medicine (KB)	Oct 29 10.15-11.45
7	Assessment of population health status – analytical epidemiology (types of epidemiological studies – ecological and cohort) (GB)	Nov 18 8.30-10.00	Assessment of population health status – analytical epidemiology (types of epidemiological studies – ecological and cohort) (GB)	Nov 5 8.30-10.00
8	Assessment of population health status – analytical epidemiology (types of epidemiological studies – case-control, RR, OR) (GB)	Nov 18 10.15-11.45	Assessment of population health status – analytical epidemiology (types of epidemiological studies – case-control, RR, OR) (GB)	Nov 5 10.15-11.45
9	Randomized controlled clinical trial (GB)	Dec 2 8.30-10.00	Epidemiology of infectious diseases (MK)	Nov 19 8.30-10.00
10	Tests of statistical significance (continuous and categorical variables) (GB)	Dec 2 10.15-11.45	Environmental burden of disease (SzSz)	Nov 19 10.15-11.45
11	Evaluating a diagnostic/screening test (GB)	Dec 16 8.30-10.00	Randomized controlled clinical trial (GB)	Dec 10 8.30-10.00
12	Bias and confounders in epidemiological studies (GB)	Dec 16 10.15-11.45	Tests of statistical significance (continuous and categorical variables) (GB)	Dec 10 10.15-11.45
13	Public Health, historical background, the main targets and tasks (MK)	Jan 13 8.30-10.00	Evaluating a diagnostic/screening test (GB)	Dec 17 8.30-10.00
14	Assessment of population health status – descriptive epidemiology (basic measures of health and disease) (MK)	Jan 20 8.30-10.00	Bias and confounders in epidemiological studies (GB)	Dec 17 10.15-11.45
15	Epidemiology of infectious diseases (MK)	Jan 20 10.15-11.45	Association and causation in medicine. Hill's Criteria (KB)	Jan 14 8.30-10.00

***Instructor**

GB – Prof. G. Brożek
 MK – Prof. M. Kowalska
 JEZ - Prof. J. E. Zejda

KB – Dr hab. K. Barański
 SzSz – Dr Szymon Szemik