



# **European Master in Public Health EUROPUBHEALTH+**

## **Specialization: Governance of Health System in Transition**

Batch 2022-2024



**Institute of Public Health  
Jagiellonian University Medical College  
Skawińska 8, 31-066 Krakow  
Poland**

**European Master in Public Health (Europubhealth+)**  
**Governance of health system in transition**  
**(Classes conducted in academic year 2023/2024)**

The presented program of the specialization **Governance of health system in transition** is designated for the second year international students of the **Europubhealth Plus** programme who completed their first year at University of Sheffield (England), at the Andalusian School of Public Health - University of Granada (Spain), at the University College of Dublin (Ireland) or at the University of Liège (Belgium).

**I. GENERAL REQUIREMENTS**

The specialization course lasts two semesters and students get 36 ECTS for mandatory modules and 21 ECTS for the dissertation work and related placement. A mandatory integration module worth 3 ECTS is organized by the EHESP School of Public Health (Rennes, France) at the end of the academic year.

**II. QUALIFICATIONS OF THE GRADUATE**

The goal of the master studies is education enabling graduates to undertake positions mentioned below, as well as to undertake further post-graduate training in epidemiology, economy, health care management, journalism, pedagogic etc or doctoral studies for professional improvement:

- member of health care programs development team,
- leader of health care programs,
- head of organization and methodical units in health care systems,
- head of units for prevention and health promotion in health care administration and health care provider institutions,
- independent professional in health care administration, governmental and self-governmental institutions, health insurance institutions and non-governmental organizations.

**III. REQUIREMENTS FOR GRADUATION AND OBTAINING PROFESSIONAL TITLE**

The main condition for graduation is to obtain all mandatory credits and passing all examinations for mandatory subjects included in the program, passing practical placement, obtaining in total 120 ECTS, including ECTS obtained during first year of the program in partner university (Sheffield, Granada, Dublin or Liège) and submitting master thesis along with passing master examination.

**STUDY PLAN**  
**Governance of health system in transition**

**Semester 1**

Name of the course	Class form	M/F	Credit form Mark / Pass or Fail	Number of teaching hours	ECTS
<b>Mandatory Modules</b>					<b>29</b>
Introduction to governance in health system	practical classes	M	Mark	22	3
Health systems goals and performance in transition	practical classes/seminars	M	Mark	14	2
Financial resources for health	practical classes	M	Mark	16	2
Human resources for health	practical classes	M	Mark	18	2
Change management and leadership	practical classes	M	Mark	18	2
Economic burden of diseases	lectures/ computer laboratory	M	Mark	6/12	3
Health technology assessment and rational pharmaceutical policy	practical classes	M	Mark	30	4
Market and economic incentives in health care	practical classes	M	Mark	18	2
New public management in health care	practical classes	M	Mark	10	1
Projections of health care expenditure and revenue	practical classes in computer laboratory	M	Mark	16	2
Coordinated/managed care	practical classes	M	Mark	16	2
Health impact assessment in all policies	practical classes	M	Mark	12	2
Qualitative and quantitative research methods	lectures/ practical classes	M	Mark	3/15	2

M- mandatory, F- facultative

Total number of mandatory hours (without self-education): 226

Total number of ECTS: 29

**Semester 2**

<b>Name of the course</b>	<b>Class form</b>	<b>M/F</b>	<b>Credit form Mark / Pass or Fail</b>	<b>Number of teaching hours</b>	<b>ECTS</b>
Practical placement	Practical	M	Pass or Fail	320	11
Master's seminar and Dissertation	Seminar	M	Grading for seminar: Pass or Fail  Grading for master thesis and master exam - grading scale: 2 (insufficient) – 5 (very good)	100	17
<b>Integration module</b> - at EHSP in Rennes (France)	Seminar	M	-	30	<b>3</b>

M- mandatory, F- facultative

**Total number of ECTS: 60**

## Introduction to Governance in Health System

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Political science and administration  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> oral examination
<b>Subject coordinator</b>	Iwona Kowalska-Bobko	
<b>Lecturer</b>	Iwona Kowalska-Bobko, Michał Zabdyr-Jamróż, Stojgniew Sitko, Roman Topór-Mądry, Christoph Sowada	

  

<b>Period</b> Semester 3	<b>Examination</b> oral examination  <b>Activities and hours</b> classes: 22	<b>Number of ECTS points</b> 3.0
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#### Goals

C1	Providing students with information on the important role of governance and management practices and leadership in the health sector.
C2	Capture the impact of good governance practices on population positive health indicators.

#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	contemporary challenges to policy-making in health	ZDP_KDR_W11	oral answer, project
W2	principles and values of good governance in health and correctly identify its features	ZDP_KDR_W13, ZDP_KDR_W31	oral answer, project
<b>Skills - Student can:</b>			
U1	identify various situational constraints and determinants of policy-making in health	ZDP_KDR_U22	oral answer, project
U2	adequately propose governance tools in dealing with those issues	ZDP_KDR_U15, ZDP_KDR_U22	classroom observation, oral answer, project
U3	relate theoretical and normative aspects of governance to various real-life cases of decision-making	ZDP_KDR_U03	oral answer, project
<b>Social competences - Student is ready to:</b>			
K1	presentation own views and opinions on governance in health	ZDP_KDR_K01	classroom observation, oral answer, project
K2	engagement in a constructive critique and consideration of any relevant health policy issue	ZDP_KDR_K02	classroom observation, oral answer, project

### Calculation of ECTS points

Activity form	Activity hours*
classes	22
preparation for classes	10
preparation of multimedia presentation	28
preparation for examination	30
<b>Student workload</b>	<b>Hours</b> 90
<b>Workload involving teacher</b>	<b>Hours</b> 22
<b>Practical workload</b>	<b>Hours</b> 22

\* hour means 45 minutes

### Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Concept of governance (WHO, European Commission and leading governmental health national agencies).	W2, U2	classes

2.	Determinants of health (demographic, epidemiological, economic, social, technological, health systems).	W1, K1	classes
3.	Evidence based policy-making. Multi-level systemic legislation.	U1, U3, K1	classes
4.	State – market – society (economic determinants of health and market vs. state dilemma).	W2, U3, K2	classes
5.	Political context (centralization, decentralization, globalization, political systems).	W1, U3, K2	classes
6.	Social values in healthcare (human rights, solidarity, equality, inclusion, autonomy, people's voice, liquid modernity).	U2, K1, K2	classes
7.	New modes of health policy-making (good governance, stewardship, participatory governance, models of policy-making and models of democracy).	U1, U3, K1, K2	classes

## Course advanced

### Teaching methods:

case study, textual analysis, brainstorm, classes / practicals, discussion, lecture, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, oral answer, project	The final evaluation consists of: - 40 % of the assessment from the power point presentation - skills assessment - 50 % of the final examination (oral exam) - knowledge assessment - 10% from activity assessment during exercises - assessment of group work - social competences

## Entry requirements

knowledge of basic concepts of health and social policy, English language skills at a level, which enables to efficiently utilize scientific literature and participate actively in seminars

## Literature

### Obligatory

1. Kickbush I., Gleicher D. (2012), Governance for Health in the 21 st Century, EuroWHO, Copenhagen
2. Kickbush I. (2016), Global Health Governance. Challenges 2016- Are We ready? Int. Health Policy Mang. 5 (6): 349- 353

### Optional

1. USAID Health Governance (2008), Concepts, Experience, and Programming Options, February 2008, <http://www.healthsystems2020.org/content/resource/detail/1914/>

## Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W13	Graduate knows and understands principles defining local, national and international health and social policies
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation



## Health Systems Goals and Performance in Transition

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Political science and administration  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> oral examination
<b>Subject coordinator</b>	Iwona Kowalska-Bobko	
<b>Lecturer</b>	Iwona Kowalska-Bobko, Michał Zabdyr-Jamróz	

<b>Period</b> Semester 3	<b>Examination</b> oral examination  <b>Activities and hours</b> classes: 14	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	Present a comparative analysis of the origin, structure, and organization of health care systems goals in the global, European and country perspective.
C2	Understanding and discussion of health care systems by observing systemic differences rooted in history, culture, social, economic and political factors.

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	specific health system strengths and weaknesses, employing comparative analysis as a research tool	ZDP_KDR_W12	classroom observation
W2	health system performance identified in the different health care systems	ZDP_KDR_W07, ZDP_KDR_W11	classroom observation
W3	differences in health systems of the industrialized countries in this class	ZDP_KDR_W13	classroom observation, project
<b>Skills - Student can:</b>			
U1	evaluate the health system performance of several industrialized nations	ZDP_KDR_U05	classroom observation, project
U2	identified, evaluated, and discussed the strengths and weaknesses of these various national health systems	ZDP_KDR_U21, ZDP_KDR_U22	classroom observation, project
U3	assess the health care systems by putting it into a broader perspective	ZDP_KDR_U03	classroom observation, project
<b>Social competences - Student is ready to:</b>			
K1	to cooperate in solving scientific, social, political and other problems	ZDP_KDR_K03	classroom observation

## Calculation of ECTS points

Activity form	Activity hours*
classes	14
preparation for classes	15
preparation of multimedia presentation	31
<b>Student workload</b>	<b>Hours</b> 60
<b>Workload involving teacher</b>	<b>Hours</b> 14
<b>Practical workload</b>	<b>Hours</b> 14

\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Global Health Care Systems Goals: Millennium Development Goals (MDGs) and Sustainable Development Goals (SDGs) (2015).	W1, U3	classes

2.	Health regulations, models, role for health care systems goals: global and European.	W2, U2	classes
3.	Supporting, implementing and monitoring health systems goals on global and European level. The concepts of public health operations (functions, activities) and Health System Performance Assessment (HSPA).	W2, W3, U1, U2, U3, K1	classes
4.	Interrelationships of health and social systems. Challenges on the local, national and European levels. The concepts of HiAP and Universal Health Care Coverage.	W2, U3, K1	classes
5.	Main contemporary trends towards universal systemic coverage of health needs: perspectives on the formal grounds.	W2, U3	classes
6.	Health systems performance: global administrative law, public health surveillance and networks.	W2, W3, U3, K1	classes
7.	Health system goals in Poland.	W3, K1	classes

## Course advanced

### Teaching methods:

case study, textual analysis, brainstorm, classes / practicals, discussion, group work, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, project	The credit is based on: 1. Assessment of activity (30%) 2. Preparation of the project and its presentation (70%)

## Entry requirements

basic knowledge of health policy, English language skills at a level, which enables to efficiently utilize scientific literature and participate actively in seminars

## Literature

### Obligatory

1. Marmor T., Freeman R., Okma K. et al. (eds.) (2009), Comparative Studies & the Politics of Modern Medical Care, Yale University Press, New Haven
2. Włodarczyk W.C., Mokrzycka A., Kowalska I. (2012), Efforts to Improve the Health Systems, Difin, Warszawa
3. Sowada Ch., Sagan A., Kowalska-Bobko I. (red). (2019), Health in Transition Poland, European Observatory on Health Systems and Policies, WHO, Copenhagen

### Optional

1. UN General Assembly Resolution, Transforming our world: the 2030 Agenda for Sustainable Development; [http://www.un.org/ga/search/view\\_doc.asp?symbol=A/RES/70/1&Lang=E](http://www.un.org/ga/search/view_doc.asp?symbol=A/RES/70/1&Lang=E)
2. OECD (2019), Health at a Glance 2019: OECD Indicators, OECD Publishing, Paris, [https://www.oecd-ilibrary.org/social-issues-migration-health/health-at-a-glance-2019\\_4dd50c09-en](https://www.oecd-ilibrary.org/social-issues-migration-health/health-at-a-glance-2019_4dd50c09-en)

## Effects

Code	Content
ZDP_KDR_K03	Graduate is ready to co-operate in order to solve scientific, social and professional issues, whilst observing professional ethics and legal regulations in place
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W07	Graduate knows and understands principles of functioning of institutions responsible for health-promoting and socially-oriented activities and monitoring of the strategies implemented
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W13	Graduate knows and understands principles defining local, national and international health and social policies

## Financial Resources for Health

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Economics and finance  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> graded credit
<b>Subject coordinator</b>	Marzena Tambor	
<b>Lecturer</b>	Marzena Tambor	

<b>Period</b> Semester 3	<b>Examination</b> graded credit  <b>Activities and hours</b> classes: 16	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	To provide students with knowledge on health care funding mechanisms.
C2	To develop students' ability to analyze and evaluate health care financing systems.

#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
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<b>Knowledge - Student knows and understands:</b>			
W1	the elements of health care financing system and its objectives	ZDP_KDR_W12, ZDP_KDR_W14, ZDP_KDR_W31	classroom observation, group assessment, project
W2	different methods of health care funding (public and private) and their basic characteristics	ZDP_KDR_W12, ZDP_KDR_W31	classroom observation, group assessment, project
W3	the concept of universal health coverage (UHC) and the measures for achieving UHC	ZDP_KDR_W12, ZDP_KDR_W31	classroom observation, group assessment, project
W4	evidence on the performances of different health care funding methods	ZDP_KDR_W12, ZDP_KDR_W14, ZDP_KDR_W31	classroom observation, group assessment, project
<b>Skills - Student can:</b>			
U1	comprehensively analyze and evaluate a country's health care financing system based on reliable data	ZDP_KDR_U05, ZDP_KDR_U18, ZDP_KDR_U22	project
U2	select and critically evaluate evidence on health care funding methods	ZDP_KDR_U15, ZDP_KDR_U22	project
<b>Social competences - Student is ready to:</b>			
K1	take into consideration different opinions and values that shape health care financing systems	ZDP_KDR_K07	classroom observation
K2	independent learning and skills improvement for evaluating health care financing systems	ZDP_KDR_K02	classroom observation, project

### Calculation of ECTS points

<b>Activity form</b>	<b>Activity hours*</b>
classes	16
preparation for classes	12
preparation of a project	25
<b>Student workload</b>	<b>Hours</b> 53
<b>Workload involving teacher</b>	<b>Hours</b> 16
<b>Practical workload</b>	<b>Hours</b> 16

\* hour means 45 minutes

### Study content

<b>No.</b>	<b>Course content</b>	<b>Subject's learning outcomes</b>	<b>Activities</b>
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1.	Health care financing system – objectives, functions and models.	W1, K1	classes
2.	Public health care financing (taxation, social health insurance).	W2, W4, U2, K1, K2	classes
3.	Private health care financing (out-of-pocket payments, voluntary health insurance, medical saving accounts).	W2, W4, U2, K1, K2	classes
4.	Universal health coverage.	W3, U1, K1	classes
5.	The evaluation of health care financing system.	W4, U1, U2, K1, K2	classes

## Course advanced

### Teaching methods:

textual analysis, discussion, project method, group work, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, group assessment, project	Student is required to complete a project on health care financing system in a given country, and write as well as present a project report. Student's activity during the classes (performing group tasks, participating in discussions) will also be assessed. The evaluation of the project will take into account: students' knowledge and understanding of a given topic, ability to gather and analyze a broad range of relevant data, ability to critically evaluate gathered evidence, clear reasoning, appropriate use of terminology, clarity and logic of report / presentation, language style and language correctness, presentation skills. The evaluation of the class work will take into account student's readiness to participated in discussions and group tasks, demonstrated during class work student's knowledge, skills and social competences. Final grade: weighted average of the scores from: project report (60% of the final grade), oral presentation (20% of the final grade), class work (20% of the final grade).

## Entry requirements

basic knowledge of health economics, English language skills at a level, which enables to efficiently utilize scientific literature and participate actively in seminars

## Literature

### Obligatory

1. Kutzin J. (2013), Health financing for universal coverage and health system performance: concepts and implications for policy, *Bulletin of the World Health Organization*, 91, s. 602-611
2. Thomson S., Mossialos E. (2009), *Private Health Insurance in the European Union. Final report prepared for the European Commission, Directorate General for Employment, Social Affairs and Equal Opportunities, LSE Health and Social Care London School of Economics and Political Science, London*
3. Wouters O. J., Cylus J., Yang W., Thomson S., McKee M. (2016), Medical savings accounts: assessing their impact on efficiency, equity and financial protection in health care, *Health Economics, Policy and Law*, 11(3), s. 321-335
4. Tambor M., Pavlova M., Golinowska S., Groot W. (2015), Can European countries improve sustainability of health care financing through patient cost-sharing?, *Frontiers in Public Health*, 3, s. 196
5. Mossialos E., Dixon A., Figueras J., Kutzin J. (red.) (2002), *Funding health care: options for Europe*, European Observatory on Health Care Systems Series, Open University Press, Buckingham/Philadelphia

### Optional

1. Brook R.H., Keeler E.B., Lohr K.N., Newhouse J.P., Ware J.E., Rogers W.H., Davies A.R., Sherbourne C.D., Goldberg G.A., Camp P., Kamberg C., Leibowitz A., Keesey J., Reboussin D. (2006), *The health insurance experiment: A classic RAND study speaks to the current health care reform debate*, RAND Corporation, Santa Monica, CA
2. Kutzin J., Cashin C., Jakab M. (red.) (2010), *Implementing health financing reform: lessons from countries in transition*, World Health Organization Regional Office for Europe, on behalf of the European Observatory on Health Systems and Policies, Copenhagen
3. Vallgård S. (2006), When are health inequalities a political problem?, *The European Journal of Public Health*, 16(6), s. 615-616
4. Thomson S., Evetovits T., Cylus J., Jakab M. (2016), Monitoring financial protection to assess progress towards universal health coverage in Europe, *Public Health Panorama*, 2(03), s. 357-366
5. Preker A. S., Carrin G. (red.) (2004), *Health financing for poor people: resource mobilization and risk sharing*, The World Bank, Washington



## Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U18	Graduate can apply the knowledge on the possibilities and limitations of various instruments of allocation of real and financial resources in the health care system to formulate recommendations with regard to the health policy structure and evaluation of health programmes
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation

## Human Resources for Health

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Management science and quality  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> written examination
<b>Subject coordinator</b>	Alicja Domagała	
<b>Lecturer</b>	Alicja Domagała, Marcin Kautsch, Katarzyna Czabanowska	

<b>Period</b> Semester 3	<b>Examination</b> written examination  <b>Activities and hours</b> classes: 18	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	To present to the students current information regarding the health care market and practical tools of human resources management. On the basis of acquired theoretical knowledge in the area of Human Resources Management and skills connected with this knowledge, students obtain the fundamentals of the proper management of health care staff.
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#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	the rules of creation and implementation of the public health strategy and health politics in the field of human resources for health at the regional, national and international levels	ZDP_KDR_W04	written examination, classroom observation
W2	the principles for effective and efficient human resources management in health care units	ZDP_KDR_W20	written examination, classroom observation
<b>Skills - Student can:</b>			
U1	to propose solutions to various problems in the field of human resources for health in health care system	ZDP_KDR_U04, ZDP_KDR_U22	classroom observation
<b>Social competences - Student is ready to:</b>			
K1	to work in a group	ZDP_KDR_K09	classroom observation

### Calculation of ECTS points

Activity form	Activity hours*
classes	18
consultations with lecturer	2
case analysis	15
participation in examination	1
analysis of the research material	17
<b>Student workload</b>	<b>Hours</b> 53
<b>Workload involving teacher</b>	<b>Hours</b> 18
<b>Practical workload</b>	<b>Hours</b> 50

\* hour means 45 minutes

### Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Human resources for health: definition, characteristics, international comparison.	W1, W2	classes
2.	Labor market in health sector. Employment of medical staff: trends, shortages.	W1, W2	classes
3.	Education for health. Training and professional development.	W1, W2	classes

4.	Planning of health workforce.	W2, U1	classes
5.	Motivation of health care personnel: incentives for health professional, financial and non-financial incentives, effective incentive scheme.	W2, U1	classes
6.	Migration of health care workers - scale and reasons worldwide.	W1, W2, U1	classes
7.	The key international initiatives on Human Resources for Health (e.g. WHO Human Resources Framework, Global Health Workforce Alliance).	W1, W2, K1	classes
8.	Planning of health workforce.	W2, U1, K1	classes

## Course advanced

### Teaching methods:

case study, brainstorm, classes / practicals, discussion, group work, assignments solving, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	written examination, classroom observation	Participation in the classes is obligatory. The module will complete with a written examination whilst single classes will be credited based on the student presence, activity, ability to solve case studies during the classes and presentations prepared by students (students will prepare presentation focused on current problems of Human resources for health in their country). Final assessment: 70% - written exam, 30%

## Entry requirements

Basic knowledge of health care management. Participation in the classes is obligatory.

## Literature

### Obligatory

1. Buchan J., Perfilieva G. (2015), Making Progress Towards Health Workforce Sustainability in the WHO European Region, WHO Regional Office for Europe, Copenhagen
2. World Health Organization (2016), Global Strategy on Human Resources for Health: 2030

### Optional

1. Malgieri A., Michelutti P., Van Hoegaerden M. (eds) (2015), Handbook on Health Workforce Planning Methodologies Across EU Countries, DO52, Release 1, Bratislava
2. Treviño-Reyna G., Czabanowska K., Haque S., Plepys Ch., Magaña L., Middleton J. (2021), Employment outcomes and job satisfaction of public health professionals: Survey of the public health graduates, J Health Plann Mgmt. 36(S1):124-150

## Effects

Code	Content
ZDP_KDR_K09	Graduate is ready to undertakes important social and health issues in discussions and concrete actions, which are important also for discriminated groups
ZDP_KDR_U04	Graduate can independently propose solutions for various problems related to health of particular population, taking into account the standards in force
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W04	Graduate knows and understands principles and the methods of the implementation of public health strategies, health and social policies at the local, national, European and global level
ZDP_KDR_W20	Graduate knows and understands factors determining effective and efficient management of human resources

## Change Management and Leadership

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Management science and quality  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> graded credit
<b>Subject coordinator</b>	Stojgniew Sitko	
<b>Lecturer</b>	Stojgniew Sitko	

<b>Period</b> Semester 3	<b>Examination</b> graded credit  <b>Activities and hours</b> classes: 18	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	During this course student learns the nature and mechanisms of organizational changes as well is understanding the major management problems of such changes and concepts helping to solve them succesfully.
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#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
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<b>Knowledge - Student knows and understands:</b>			
W1	the specificity of planning and management in changing organizational environment, especially oriented towards HRM, leadership and communication	ZDP_KDR_W04, ZDP_KDR_W06, ZDP_KDR_W11, ZDP_KDR_W20, ZDP_KDR_W21	classroom observation, project
W2	the basic tools to diagnose the necessity of organizational change and rules of preparing the plan of such change	ZDP_KDR_W04, ZDP_KDR_W06	classroom observation, project
<b>Skills - Student can:</b>			
U1	evaluate the actions undertaken in the area of organizational change, and propose relevant solutions	ZDP_KDR_U03, ZDP_KDR_U05, ZDP_KDR_U10, ZDP_KDR_U16, ZDP_KDR_U19	classroom observation, project
U2	collect the relevant data and show them in a form of a presentation containing description and background explanation of the methodology chosen, as well as a plan of introducing change in the organization	ZDP_KDR_U07, ZDP_KDR_U10, ZDP_KDR_U21, ZDP_KDR_U22	classroom observation, project
<b>Social competences - Student is ready to:</b>			
K1	work in a team analyzing the need and preparing the plan of organizational change	ZDP_KDR_K01, ZDP_KDR_K02, ZDP_KDR_K07	project

### Calculation of ECTS points

<b>Activity form</b>	<b>Activity hours*</b>
classes	18
case analysis	32
<b>Student workload</b>	<b>Hours</b> 50
<b>Workload involving teacher</b>	<b>Hours</b> 18
<b>Practical workload</b>	<b>Hours</b> 50

\* hour means 45 minutes

### Study content

<b>No.</b>	<b>Course content</b>	<b>Subject's learning outcomes</b>	<b>Activities</b>
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1.	<p>System changes as a current health sector challenge. Basic terms and approaches of change management and leadership.</p> <p>8 steps of change management:</p> <ul style="list-style-type: none"> <li>Establishing a sense of urgency,</li> <li>Finding and empowering of a leader.</li> <li>Creating a guiding coalition, stakeholders management and leaders role.</li> <li>Developing of good vision and strategy.</li> <li>Leaders function in communicating the changed vision.</li> <li>Empowering broad-base action; How leaders make a "change infection" to spread?</li> <li>Generating short-term wins.</li> <li>Consolidating gains and producing more change, anchoring new approaches in culture.</li> <li>Other tools and concepts for organizational change.</li> <li>Organizational change managed and lead properly - summary.</li> <li>Introduction to project preparation and presentation.</li> </ul>	W1, W2, U1, U2	classes
2.	Individually prepared cases' analysis and presentations.	W1, W2, U1, U2, K1	classes

## Course advanced

### Teaching methods:

case study, classes / practicals, discussion, lecture, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, project	Presence and active participation in all the sessions, preparation of the cases' analysis and presentations.

### Additional info

Preparation of the analysis of a change in an organization of health sector and its presentation according to the knowledge gained during the course and requirements of a lecturer.

## Entry requirements

Presence at all the sessions is required.

## Literature

### Obligatory

1. Kotter J.P., Cohen D.S. (2002), The Heart of Change, Harvard Business School Press, Boston
2. Kotter J. P. (2006), Our Iceberg is Melting, Harvard Business School Press, Boston

### Optional

1. Lewin K., Change Management Model, [http://www.change-management-coach.com/kurt\\_lewin.html](http://www.change-management-coach.com/kurt_lewin.html)
2. Gleicher's Formula: A Scientific Approach to Change, <http://www.brighthubpm.com/change-management/122241-gleichers-formula-a-scientific-approach-to-change/>
3. Drucker P. (2001), Management Challenges for the 21st Century, Harper Business Publishers, NY
4. Kotter J. P. (2008), A Sense of Urgency, Harvard Business School Publishing, Boston



## Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_U07	Graduate can use the effective social and interpersonal communication techniques and assess the overall quality of communication in different social situations
ZDP_KDR_U10	Graduate can identify the barriers to the implementation of health education in local community and apply appropriate communication methods whilst implementing specific educational programmes
ZDP_KDR_U16	Graduate can use the strategic analysis tools and methods and draw up a strategic plan for a health care institution
ZDP_KDR_U19	Graduate can analyze, monitor and evaluate the implementation of social actions and programmes addressed at specific groups within the population
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W04	Graduate knows and understands principles and the methods of the implementation of public health strategies, health and social policies at the local, national, European and global level
ZDP_KDR_W06	Graduate knows and understands methods and instruments of planning, implementation and assessing the effectiveness of health and social programmes, as well as examples of good practices in the area of public health
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W20	Graduate knows and understands factors determining effective and efficient management of human resources
ZDP_KDR_W21	Graduate knows and understands principles of social interactions

## Economic Burden of Diseases

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Economics and finance  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> graded credit
<b>Subject coordinator</b>	Katarzyna Kissimova-Skarbek	
<b>Lecturer</b>	Katarzyna Kissimova-Skarbek	

<b>Period</b> Semester 3	<b>Examination</b> graded credit  <b>Activities and hours</b> lecture: 6 classes: 12	<b>Number of ECTS points</b> 3.0
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#### Goals

C1	To familiarize students with the modern approach of evidence based health policy.
C2	To help students to learn about methods and tools of assessment of the burden of diseases to the societies at the country, regional and global level.

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	approaches of assessment and presentation disease burden to the societies	ZDP_KDR_W02, ZDP_KDR_W09, ZDP_KDR_W11, ZDP_KDR_W15, ZDP_KDR_W31	group assessment, oral answer, essay, project
W2	main units of measurement the disease burden (expressing: years of life lost, quality of life reduction, disability caused by disease, costs from different perspectives, national income lost, other) and techniques of their calculation and presentation	ZDP_KDR_W09, ZDP_KDR_W15, ZDP_KDR_W31	classroom observation, oral answer, essay, project, oral credit
W3	main stages in GBD study methodology development and also the methods used for generic Disability-Adjusted Life-Years (DALY) calculation as well as the methodology applied in the latest version of the Global Burden of Disease Study 2019 (GBD 2019)	ZDP_KDR_W07, ZDP_KDR_W15, ZDP_KDR_W31	classroom observation, group assessment, oral answer, essay, project
W4	the method of using GBD results for benchmarking the health systems of selected countries	ZDP_KDR_W02, ZDP_KDR_W11, ZDP_KDR_W15, ZDP_KDR_W31	classroom observation, oral answer, essay, project, oral credit
<b>Skills - Student can:</b>			
U1	identify and utilize available data sources to assess the burden of selected disease to the society	ZDP_KDR_U01, ZDP_KDR_U04, ZDP_KDR_U14, ZDP_KDR_U22, ZDP_KDR_U23	classroom observation, group assessment, oral answer, essay, project
U2	calculate main indicators of disease burden presenting time lost (with and without health-related quality of life consideration) and carry out cost of illness study from different perspectives	ZDP_KDR_U04, ZDP_KDR_U05, ZDP_KDR_U14, ZDP_KDR_U15, ZDP_KDR_U21, ZDP_KDR_U22, ZDP_KDR_U23	classroom observation, oral answer, essay, project, oral credit
U3	use the published results of the GBD 2019 study to formulate an opinion on the major health problems of selected countries and globally	ZDP_KDR_U01, ZDP_KDR_U04, ZDP_KDR_U05, ZDP_KDR_U14, ZDP_KDR_U15, ZDP_KDR_U21, ZDP_KDR_U22, ZDP_KDR_U23	group assessment, oral answer, essay, project, oral credit
U4	describe an economic impact of the chosen disease in the selected country and present examples of disease prevention studies	ZDP_KDR_U01, ZDP_KDR_U02, ZDP_KDR_U03, ZDP_KDR_U05, ZDP_KDR_U14, ZDP_KDR_U21, ZDP_KDR_U22, ZDP_KDR_U23	group assessment, oral answer, essay, project, oral credit
<b>Social competences - Student is ready to:</b>			

K1	compare the consequences of the diseases and detect the major health problems in selected country, using the appropriate tools for assessing disease burden on a society	ZDP_KDR_K01, ZDP_KDR_K02, ZDP_KDR_K05, ZDP_KDR_K07, ZDP_KDR_K08, ZDP_KDR_K09	group assessment, oral answer, essay, project, oral credit
K2	motivate decision-makers to use effectively data generated in the health system and by the Global Institutions for ongoing assessment of disease burden in a country and for health policy evaluation	ZDP_KDR_K01, ZDP_KDR_K05, ZDP_KDR_K07, ZDP_KDR_K08, ZDP_KDR_K09	classroom observation, group assessment, oral answer, essay, project, oral credit

### Calculation of ECTS points

Activity form	Activity hours*
lecture	6
classes	12
case analysis	20
preparation for classes	18
preparation of a project	34
<b>Student workload</b>	<b>Hours</b> 90
<b>Workload involving teacher</b>	<b>Hours</b> 18
<b>Practical workload</b>	<b>Hours</b> 32

\* hour means 45 minutes

### Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Introduction to the issue of economic burden as a part of economic analysis in health care - scope, perspective and main approaches. Social and economic determinants of chronic diseases	W1, W2, U1	lecture
2.	Scope and perspective of diseases burden assessment	W1, K2	lecture
3.	Nonmonetary units of measurement the disease burden (Part I): Natural units: number of deaths due to the disease, number of persons with the disease, cause specific mortality rate, prevalence rates, incidence rates. Units considering duration of life lost (Potential Years of Life Lost – PYLL, Period Expected Years of Life Lost –PEYLL, Standard Period Expected Years of Life Lost –SEYLL).	W1, W2, U1, U2, U3, K1	lecture, classes

4.	Nonmonetary units of measurement the disease burden (Part II): Units considering duration and quality of life lost (Quality-Adjusted Life-Years – QALY, Disability-Adjusted Life-Years – DALY, Health-Adjusted Life Expectancy (Healthy life expectancy) – HALE).	W1, W2, W3, U1, U2, U3, K1	lecture, classes
5.	Global Burden of Disease, Injuries and Risk Factors Study. Stages of GDB study methodology development. Sources of data to assess the national burden of disease, injuries and risk factors in DALY units.	W3, U1, U3, K1	lecture, classes
6.	The costs-of-illness approach: direct costs (medical and non-medical) and indirect costs. Methods of valuing informal care. Perspective of the costs of illness analysis.	W1, W2, U2, U3, K1	lecture, classes
7.	Impact of ill health on national income. Valuing life years and quality of life lost: Value of Statistical Life (VSL) approach.	W1, W2, U1, U2, U3, K2	lecture, classes
8.	An economic case for prevention of non-communicable diseases. Burden of diabetes mellitus and its prevention example.	W1, W2, U1, U2, U3, K2	classes
9.	Using results from the global burden of disease, injuries, and risk factors study for benchmarking of health systems.	W4, U4, K1, K2	lecture, classes

## Course advanced

### Teaching methods:

case study, textual analysis, classes / practicals, computer classes, discussion, project method, case study method, group work, computer room, assignments solving, seminar, lecture, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
lecture	group assessment, oral answer, essay, project, oral credit	Participation in the classes is obligatory. Student is allowed to miss only one class. In the case of a larger number of absences student must pass the abandoned issues during additional class. To complete the module student is required to prepare and submit the project on a burden of a selected disease in a given country following the instruction provided by the teacher. The results of the project are also to be presented orally by the student during a special session. Electronic file containing all necessary calculations (in MS Excel) has to be handed over three days before evaluation. The PowerPoint file can be submitted during the day of presentation. The MS Word (or pdf) file containing complex project results description should be submitted one week after the oral presentation session. Activity during the discussions will be also evaluated. Final assessment: project preparation and presentation 80%, activity during classes 20%. The final grade is given according to following scale: 93,0% – 100,0% very good (5,0); 85,0% – 92,9% good plus (4,5); 77,0% – 84,9% good (4,0); 69,0% – 76,9% fair plus (3,5); 60,0% – 68,9% fair (3,0); 0% – 59,9% fail (2,0).

Activities	Examination methods	Credit conditions
classes	classroom observation, group assessment, oral answer, essay, project, oral credit	Participation in the classes is obligatory. Student is allowed to miss only one class. In the case of a larger number of absences student must pass the abandoned issues during additional class. To complete the module student is required to prepare and submit the project on a burden of a selected disease in a given country following the instruction provided by the teacher. The results of the project are also to be presented orally by the student during a special session. Electronic file containing all necessary calculations (in MS Excel) has to be handed over three days before evaluation. The PowerPoint file can be submitted during the day of presentation. The MS Word (or pdf) file containing complex project results description should be submitted one week after the oral presentation session. Activity during the discussions will be also evaluated. Final assessment: project preparation and presentation 80%, activity during classes 20%. The final grade is given according to following scale: 93,0% – 100,0% very good (5,0); 85,0% – 92,9% good plus (4,5); 77,0% – 84,9% good (4,0); 69,0% – 76,9% fair plus (3,5); 60,0% – 68,9% fair (3,0); 0% – 59,9% fail (2,0).

### Entry requirements

basic knowledge on health economics, mathematics and epidemiology

## Literature

### Obligatory

1. Kissimova-Skarbek K. (2016), Approaches to disease burden measurement: Disability-Adjusted Life Years (DALYs) globally and in Poland, and national income lost due to disease in Poland, 1990-2015. *Zeszyty Naukowe Ochrony Zdrowia, Zdrowie Publiczne i Zarządzanie*, T. 14, nr 3, s. 175-193, <http://www.ejournals.eu/Zdrowie-Publiczne-i-Zarzadzanie/2016/Tom-14-zeszyt-3/art/8098/>
2. Kozierkiewicz A., Megas B., Natkaniec M., Topór-Mądry R., Kissimova-Skarbek K., Śliwczyński A., Gajda K. (2016), Years of life lost due to deaths in Poland measured with Potential Years of Life Lost (PYLL) and Period Expected Years of Life Lost (PEYLL) indicators in years 2000-2014. *Zeszyty Naukowe Ochrony Zdrowia, Zdrowie Publiczne i Zarządzanie*, T. 14, nr 3, s. 165-174, <http://www.ejournals.eu/Zdrowie-Publiczne-i-Zarzadzanie/2016/Tom-14-zeszyt-3/art/8097/>
3. GBD 2019 Diseases and Injuries Collaborators. Global burden of 369 diseases and injuries, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 17 October 2020. doi:10.1016/S0140-6736(20)30925-9
4. Aldy E. J., Viscusi W.K. (2007), Age Differences in the Value of Statistical Life: Revealed Preference Evidence. RFF Discussion Paper 07-05. April 2007 <http://www.rff.org/rff/Documents/RFF-DP-07-05.pdf>
5. Materiały rozdawane w czasie zajęć / Materials distributed during classes

### Optional

1. International Diabetes Federation (2021), IDF Diabetes Atlas, Tenth Edition. Brussels, International Diabetes Federation. <https://diabetesatlas.org/atlas/tenth-edition/>
2. Rice D.P. (2000), Cost of illness studies: what is good about them? *Injury Prevention*, Vol. 6, Issue 3, pp. 177-179
3. Krol M., Brouwer W. (2014), How to Estimate Productivity Costs in Economic Evaluations. *Pharmacoeconomics*. Volume 32, Issue 4, pp. 335-344
4. Yang W., Zhao W., Xiao J, Li R., Zhang P., Kissimova-Skarbek K., Schneider E., Jia W., Ji L., Guo X., Shan Z., Liu J., Tian H., Chen L., Zhou Z., Ji Q., Ge J., Chen G., Brown J. (2012), Medical Care and Payment for Diabetes in China: Enormous Threat and Great Opportunity. *PLOS ONE*, Volume 7 Issue 9 e39513
5. Onetiu V., Aurelian S.M., Capisizu A., Cristescu F., Zus I.C., Kissimova-Skarbek K. (2016), Cost of dementia in Romania: a cross-sectional Cost-of-Illness study undertaken in Bucharest. *Zeszyty Naukowe Ochrony Zdrowia, Zdrowie Publiczne i Zarządzanie*, T. 14, nr 3, s. 204-226. <http://www.ejournals.eu/Zdrowie-Publiczne-i-Zarzadzanie/2016/Tom-14-zeszyt-3/art/8100/>
6. Brown J., Ramaiya K., Besancon S., Rheeder P., Tassou C.M., Mbanya J-C., Kissimova-Skarbek K., Njenga E.W., Muchemi E.W., Wanjiru H.K., Schneider E. (2014), Use of Medical Services and Medicines Attributable to Diabetes in Sub-Saharan Africa. *PLOS ONE*, Vol. 9, nr 9, e106716, p. 13

## Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K05	Graduate is ready to work with different institutions in improving health status of population
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_K08	Graduate is ready to stick to the ethical principles required of academic research and professional work
ZDP_KDR_K09	Graduate is ready to undertakes important social and health issues in discussions and concrete actions, which are important also for discriminated groups
ZDP_KDR_U01	Graduate can apply the theoretical knowledge in order to perceive, observe and interpret the phenomena of population's health status
ZDP_KDR_U02	Graduate can plan and evaluate different public health programmes
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U04	Graduate can independently propose solutions for various problems related to health of particular population, taking into account the standards in force
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_U14	Graduate can search and analyse information on health care issues and health determinants in well-defined population, as well as formulate critical assessment
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_U23	Graduate can communicate in a foreign language in the subjects of science and scientific disciplines relevant to the field of study, at the level commensurate with the academic area of his study, in line with the requirements laid down for B2+ level, Common European Framework of Reference for Languages
ZDP_KDR_W02	Graduate knows and understands methods of the preliminary assessment of the population's health risks and the prevalence of diseases
ZDP_KDR_W07	Graduate knows and understands principles of functioning of institutions responsible for health-promoting and socially-oriented activities and monitoring of the strategies implemented
ZDP_KDR_W09	Graduate knows and understands basic sociological theories and concepts in order to understand the role of socio-medical research on socio-cultural factors in public health
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W15	Graduate knows and understands the methods of economic evaluation used in health care: advanced level
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation



# Health Technology Assessment and Rational Pharmaceutical Policy

## Educational subject description sheet

### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Economics and finance  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> written examination
<b>Subject coordinator</b>	Tomasz Bochenek	
<b>Lecturer</b>	Tomasz Bochenek, Paweł Kawalec	

<b>Period</b> Semester 3	<b>Examination</b> written examination  <b>Activities and hours</b> classes: 30	<b>Number of ECTS points</b> 4.0
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### Goals

C1	To provide the student with knowledge, abilities and competencies necessary to understand and detect problems associated with appropriate utilization and management of pharmaceuticals and medical devices within health care facilities and systems. To appreciate the role of health technology assessment (HTA) within contemporary health care systems.
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### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	mechanisms of functioning of the market of medicinal products and medical devices, and their financing within health care systems	ZDP_KDR_W14, ZDP_KDR_W17, ZDP_KDR_W31	classroom observation, essay, project, multiple choice test
W2	main problems of contemporary pharmaceutical policy	ZDP_KDR_W05, ZDP_KDR_W07	classroom observation, essay, project, multiple choice test
W3	rules of health technology assessment (HTA) and role of HTA in health care systems and public health	ZDP_KDR_W07, ZDP_KDR_W24, ZDP_KDR_W27	classroom observation, essay, project, multiple choice test
<b>Skills - Student can:</b>			
U1	critically analyse and interpret scientific and specialist expert reports in area of pharmaceutical policy and health technology assessment	ZDP_KDR_U15, ZDP_KDR_U22	classroom observation, essay, project, multiple choice test
U2	propose science-based solutions of public health problems in areas of health technology assessment and pharmaceutical policy	ZDP_KDR_U04, ZDP_KDR_U21	classroom observation, essay, project
<b>Social competences - Student is ready to:</b>			
K1	participate in interdisciplinary teams dealing with health technology assessment and analyses of pharmaceutical policy	ZDP_KDR_K01, ZDP_KDR_K03, ZDP_KDR_K05	classroom observation, project
K2	develop further their own knowledge, skills and competences in area of health technology assessment and pharmaceutical policy	ZDP_KDR_K01, ZDP_KDR_K02, ZDP_KDR_K03	classroom observation, essay, project, multiple choice test

### Calculation of ECTS points

Activity form	Activity hours*
classes	30
preparation for classes	15
preparation for examination	15
preparation of a report	15
conducting literature research	15
consultations with lecturer	2
preparation of multimedia presentation	8
<b>Student workload</b>	<b>Hours</b> 100
<b>Workload involving teacher</b>	<b>Hours</b> 30

<b>Practical workload</b>	<b>Hours</b> 30
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\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Introduction to the module on rational pharmaceutical policy and Health Technology Assessment (HTA). Subsequent steps of HTA analyses.	W1, W2, W3, U1, K1	classes
2.	Analysis of clinical effectiveness: systematic reviews and meta-analyses of data. Critical assessment of medical literature and overview of Evidence-Based Medicine (EBM) methods.	W3, U1, K1	classes
3.	Costs of health care interventions. Types of costs and costing methods. Types and steps of health economic analyses. Introduction to decision modeling (decision trees, Markov modeling).	W3, U1, K1	classes
4.	Cost-effectiveness analysis and modeling in HTA. The HTA guidelines in Poland and worldwide.	W3, U1, K1	classes
5.	Budget impact analyses and health care system impact analyses in HTA.	W3, U1, K1	classes
6.	Role of EBM and HTA in decision making. International overview of HTA applications. HTA agencies and other HTA organizations worldwide.	W1, W2, W3, U1, U2, K1, K2	classes
7.	Contemporary pharmaceutical market characteristics. Pharmaceutical policy and its role in health care system governance. Sustainable national pharmaceutical policies and their stakeholders. Risk of fraud and corruption and preventive strategies.	W1, W2, W3, U1, U2, K1, K2	classes
8.	Methods and policies of pricing and reimbursement of pharmaceuticals and medical devices. Role of pharmaceutical pricing and reimbursement strategies in health care system governance.	W1, W2, W3, U1, U2, K1, K2	classes
9.	Analyses of drug utilization. Rational management of pharmaceuticals in hospitals and other health care settings.	W1, W2, U1, U2, K1, K2	classes

## Course advanced

### Teaching methods:

classes / practicals, discussion, case study method, seminar, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, essay, project, multiple choice test	Awarding a credit and a final grade is based on 4 elements: active participation in seminars (20%), preparation of a written group report (20%) and its oral presentation (20%), result of test exam (40%).

## Entry requirements

Basic knowledge of health economics, health care management, health policy, epidemiology and statistics, health care systems science. English language skills at a level which enables to efficiently utilize scientific literature and participate actively in classes/seminars.

## Literature

### Obligatory

1. Agencja Oceny Technologii Medycznych i Taryfikacji (2016), Health Technology Assessment Guidelines, AOTM, Warszawa
2. Vogler S, Zimmermann N. (2016), Glossary of Pharmaceutical Terms. WHO Collaborating Centre for Pharmaceutical Pricing and Reimbursement Policies. Vienna: 1-140
3. Ferrario A. et al. (2017), The implementation of managed entry agreements in Central and Eastern Europe: Findings and implications. *Pharmacoeconomics*. Dec; 35(12):1271-1285
4. Sowada C. et al. (2019), Poland: Health system review. *Health Systems in Transition, The European Observatory on Health Systems and Policies*. 21(1): 1-235
5. Mossialos E. et al. (2004), *Regulating pharmaceuticals in Europe: striving for efficiency, equity and quality*, Open University Press, Berkshire (selected chapters)
6. Bochenek T. et al. (2018), Systemic Measures and Legislative and Organizational Frameworks Aimed at Preventing or Mitigating Drug Shortages in 28 European and Western Asian Countries. *Frontiers in Pharmacology*. Volume 8. Article 942. January: 1-24
7. Światowa Organizacja Zdrowia (2003), *Introduction to Drug Utilization Research*. WHO. Geneva: 1-49
8. Światowa Organizacja Zdrowia (2001), *How to develop and implement a national drug policy*, WHO, Geneva
9. EUnetHTA (2016), HTA Core Model. Version 3.0 EUnetHTA Joint Action 2, Work Package 8 (selected chapters)
10. Adamski J. et al. (2010), Risk sharing arrangements for pharmaceuticals: potential considerations and recommendations for European payers *BMC Health Services Research*. 10:153

### Optional

1. Faulkner E. et al. (2012), Challenges in the Development and Reimbursement of Personalized Medicine—Payer and Manufacturer Perspectives and Implications for Health Economics and Outcomes Research: A Report of the ISPOR Personalized Medicine Special Interest Group. *Value in Health*: 1162-1171
2. Bonnanno PV. et al. (2019), Proposal for a Regulation on Health Technology Assessment in Europe – opinions of policy makers, payers and academics from the field of HTA. *Expert Review of Pharmacoeconomics and Outcomes Research*. 2019, vol.19, no.3:251-261
3. The Cochrane Collaboration (2008), *Cochrane Collaboration open learning material for reviewers*. Version 1.1., The Cochrane Collaboration (selected chapters)
4. Schweitzer S.O. (2007), *Pharmaceutical economics and policy*, Oxford University Press, Oxford (selected chapters)
5. Drummond M.F. et al. (2005), *Methods for the economic evaluation of health care programmes*, Oxford University Press, Oxford - New York (selected chapters)
6. Quick J.D. et al. (1997), *Managing drug supply*, Management Sciences for Health, Kumarian Press, New York (selected chapters)
7. Inne pozycje bibliograficzne, włączając w to specjalistyczne publikacje naukowe, są zalecane lub dostarczane studentom podczas zajęć, w zależności od potrzeb i tematów projektów indywidualnych. Other scientific sources, including papers from specialist scientific literature, are recommended or delivered to students during seminars, depending on needs and individual project topics.

## Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K03	Graduate is ready to co-operate in order to solve scientific, social and professional issues, whilst observing professional ethics and legal regulations in place
ZDP_KDR_K05	Graduate is ready to work with different institutions in improving health status of population
ZDP_KDR_U04	Graduate can independently propose solutions for various problems related to health of particular population, taking into account the standards in force
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W05	Graduate knows and understands main development trends and projects in public health
ZDP_KDR_W07	Graduate knows and understands principles of functioning of institutions responsible for health-promoting and socially-oriented activities and monitoring of the strategies implemented
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W17	Graduate knows and understands legal and economic issues regarding health care sector entities
ZDP_KDR_W24	Graduate knows and understands sources of scientific and professional information in the area of public health
ZDP_KDR_W27	Graduate knows and understands principles of research planning, data collection techniques, and research tools
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation

## Market and Economic Incentives in Health Care

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Economics and finance  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> written examination
<b>Subject coordinator</b>	Christoph Sowada, Marzena Tambor	
<b>Lecturer</b>	Christoph Sowada, Marzena Tambor	

<b>Period</b> Semester 3	<b>Examination</b> written examination  <b>Activities and hours</b> classes: 18	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	To provide students knowledge concerning possibilities of using market mechanisms in health care sector but also the different market failures which reduce the market efficiency and create different problems in the sector at health care provider level.
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#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
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<b>Knowledge - Student knows and understands:</b>			
W1	basic categories in economics and organization of health sector	ZDP_KDR_W14, ZDP_KDR_W17, ZDP_KDR_W31	written examination
W2	different cases of market failures in general and in health sector	ZDP_KDR_W14, ZDP_KDR_W17, ZDP_KDR_W31	written examination
W3	different financial/economic instruments used as incentives reducing market failures consequences	ZDP_KDR_W12, ZDP_KDR_W14, ZDP_KDR_W31	written examination
<b>Skills - Student can:</b>			
U1	critically apprise economic discussion concerning the implementation of market mechanism in health sector	ZDP_KDR_U18, ZDP_KDR_U22, ZDP_KDR_U23	written examination, classroom observation
<b>Social competences - Student is ready to:</b>			
K1	to acquire knowledge on his own	ZDP_KDR_K02	classroom observation
K2	to search for objective sources of knowledge health	ZDP_KDR_K02	classroom observation

### Calculation of ECTS points

<b>Activity form</b>	<b>Activity hours*</b>
classes	18
participation in examination	2
preparation for classes	15
preparation for examination	25
<b>Student workload</b>	<b>Hours</b> 60
<b>Workload involving teacher</b>	<b>Hours</b> 18
<b>Practical workload</b>	<b>Hours</b> 18

\* hour means 45 minutes

### Study content

<b>No.</b>	<b>Course content</b>	<b>Subject's learning outcomes</b>	<b>Activities</b>
1.	Market and market failures in health care an overview.	W1, W2	classes
2.	Asymmetric information about health risks - adverse selection.	W2, U1, K1, K2	classes
3.	Asymmetric information about utilization - moral hazard.	W2, U1, K1, K2	classes

4.	Asymmetric information about services - induced demand.	W2, U1, K1, K2	classes
5.	Financial incentives for patients/customers (co-payment, bonus malus methods, reimbursement methods).	W3, U1, K1, K2	classes
6.	Purchasing of health services.	W3, U1, K1, K2	classes
7.	Competition among insurers and risk adjustment mechanisms.	W3, U1, K1, K2	classes

## Course advanced

### Teaching methods:

case study, brainstorm, classes / practicals, discussion, educational film, assignments solving, seminar, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	written examination, classroom observation	Obtaining at least 60% of the points on the exam. Attendance at all classes

## Entry requirements

Basic knowledge of economics and health economics, English language skills at a level, which enables to efficiently utilize scientific literature and participate actively in seminars.

## Literature

### Obligatory

1. Finkelstein A. (2015), Moral hazard in health insurance, Columbia University Press, New York
2. Zweifel P. (2007), The Theory of Social Health Insurance, NOW Publisher, Boston
3. Kifmann M. (2002), Insuring Premium Risk in Competitive Health Insurance Markets, Mohr Verlag, Tübingen, p. 14-20
4. Folland S., Goodman A.C., Stano M. (2012), The Economics of Health and Health Care, Pearson Prentice Hall, Upper Saddle River NJ, in 7th ed. chapter 7, 9-11, 18 - 22

### Optional

1. Maynard A. (ed.) (2005), The Public-Private Mix for Health, Radcliffe Publishing Ltd, Abington



## Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_U18	Graduate can apply the knowledge on the possibilities and limitations of various instruments of allocation of real and financial resources in the health care system to formulate recommendations with regard to the health policy structure and evaluation of health programmes
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_U23	Graduate can communicate in a foreign language in the subjects of science and scientific disciplines relevant to the field of study, at the level commensurate with the academic area of his study, in line with the requirements laid down for B2+ level, Common European Framework of Reference for Languages
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W17	Graduate knows and understands legal and economic issues regarding health care sector entities
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation

## New Public Management in Health Care

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> written examination
<b>Subject coordinator</b>	Iwona Kowalska-Bobko	
<b>Lecturer</b>	Iwona Kowalska-Bobko, Stojgniew Sitko, Michał Zabdyr-Jamróż	

<b>Period</b> Semester 3	<b>Examination</b> written examination  <b>Activities and hours</b> classes: 10	<b>Number of ECTS points</b> 1.0
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#### Goals

C1	Presentation of the overview of the most important management issues of contemporary public organizations identified in social and health sector.
C2	Identification of the examples from the different fields of the public social and health sector (e.g. health care system, central and local government, economic development, health care management etc.).

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	the differences between various sectors (for-profit, non-profit, public)	ZDP_KDR_W10	classroom observation, test
W2	the main concepts of performance management, human resource management in the public health sector	ZDP_KDR_W16, ZDP_KDR_W20	classroom observation, test
<b>Skills - Student can:</b>			
U1	to analyze the environment of public social and health organizations	ZDP_KDR_U03	classroom observation, test
U2	to analyze the environment of the public organizations (context), strategy formulation, organizational structure, performance management, human resources management, and information systems management	ZDP_KDR_U22	classroom observation, test
U3	to adopt up-to-date organizational and management theories as well as modern management tools in the organizations of the public social and health sector	ZDP_KDR_U03	classroom observation, test
<b>Social competences - Student is ready to:</b>			
K1	use some strategy formulating methods in the social environment	ZDP_KDR_K09	classroom observation

## Calculation of ECTS points

Activity form	Activity hours*
classes	10
preparation for classes	10
preparation for examination	10
<b>Student workload</b>	<b>Hours</b> 30
<b>Workload involving teacher</b>	<b>Hours</b> 10
<b>Practical workload</b>	<b>Hours</b> 10

\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
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1.	The Framework and Structures; from Administration to Management, the rationale for Public Administration, theoretical underpinning of the NPM, evaluation, decentralisation and devolved management in health care.	W1, W2, U1, U3	classes
2.	Accountability and Participation: techniques of implementation.	U2, U3, K1	classes
3.	Public management and resource allocation - health care sector markets, strategic management, introducing networks.	W2, U2	classes
4.	Management processes, control and quality management - towards a model of 'positive' performance management.	W2, U3	classes

## Course advanced

### Teaching methods:

case study, textual analysis, brainstorm, classes / practicals, discussion, group work, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, test	The module ends with a written (test) exam. The final grade for the exam depends on the number of points obtained: - sufficient grade - the student obtains 60-67% of the points - grade plus sufficient - the student obtains 68-76% of points - good mark - the student obtains 77-84% of points - grade plus good - student achieves 85-91% of points - very good grade - the student obtains more than 91% of points

## Entry requirements

basic knowledge of social policy, decentralization in health care, health care management, health policy, health care systems, English language skills at a level which enables to efficiently utilize scientific literature and participate actively in the seminar

## Literature

### Obligatory

1. Bovaird T., Löffler E. (eds) (2009), Public Management and Governance, Routledge, London, Chapter 3, 5, 9, 10, 11
2. Pollitt Ch. (2003), The Essential Public Manager, Open University Press, Buckingham - Philadelphia, Chapter 1, 2, 5
3. Pollitt Ch, van Thiel S., Homburg V.M.F. (eds) (2007), The New Public Management in Europe. Adaptation and Alternatives, Palgrave, New York

### Optional

1. Włodarczyk W.C., Mokrzycka A., Kowalska I. (2012), Efforts to Improve the Health Systems, Difin, Warszawa

## Effects

Code	Content
ZDP_KDR_K09	Graduate is ready to undertakes important social and health issues in discussions and concrete actions, which are important also for discriminated groups
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W10	Graduate knows and understands role of health care system institutions in the areas of health, education, health promotion, supervision and planning
ZDP_KDR_W16	Graduate knows and understands methods of strategic planning and management at different levels of the health care system organisation
ZDP_KDR_W20	Graduate knows and understands factors determining effective and efficient management of human resources

## Projections of Health Care Expenditure and Revenue

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Economics and finance  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> graded credit
<b>Subject coordinator</b>	Ewa Kocot	
<b>Lecturer</b>	Ewa Kocot	

<b>Period</b> Semester 3	<b>Examination</b> graded credit  <b>Activities and hours</b> computer classes: 16	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	Providing knowledge concerning the most important factors influencing health care expenditures and revenues in general and in a given country particularly.
C2	Providing abilities to construct a simple prognostic model of the health expenditure and revenue, taking into account their main determinants and to present the results of predictive analysis in the form of a short report.

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	sources of the health care revenue in a selected country and the main factors affecting the level of revenue	ZDP_KDR_W12	project
W2	the main determinants of the health care expenditure	ZDP_KDR_W17	project
<b>Skills - Student can:</b>			
U1	find, evaluate, analyze and join information from different sources	ZDP_KDR_U14	project
U2	construct the simple model of expenditure and revenue projection, interpret the results	ZDP_KDR_U14, ZDP_KDR_U22	project
U3	present results of research in a written form	ZDP_KDR_U21	project
<b>Social competences - Student is ready to:</b>			
K1	broadening your knowledge and skills	ZDP_KDR_K02	project
K2	comply with the ethical principles applicable in research	ZDP_KDR_K08	project

## Calculation of ECTS points

Activity form	Activity hours*
computer classes	16
preparation for classes	10
preparation of a project	14
preparation of a report	15
information collection	5
<b>Student workload</b>	<b>Hours</b> 60
<b>Workload involving teacher</b>	<b>Hours</b> 16
<b>Practical workload</b>	<b>Hours</b> 16

\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
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1.	Projections of expenditure and revenue in health care – theoretical introduction and examples.	W1, W2	computer classes
2.	The most important determinants of health care expenditures and introducing them to the projection model	W2	computer classes
3.	Sources of revenues of health care system in selected countries and factors influencing the level of revenues - introducing them to the projection model	W1	computer classes
4.	Preparation of health care expenditure and revenue projections for a selected country.	U1, U2, U3, K1, K2	computer classes

## Course advanced

### Teaching methods:

computer classes, discussion, project method, computer room, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
computer classes	project	To complete the module an active participation in seminars and a preparation of health expenditures/revenues projection for a selected country is required. The results of projections have to be presented in the written form (report and Excel file with calculations).

## Entry requirements

Basic knowledge of economy and health care system financing, basic skills of the Excel spreadsheet using.

## Literature

### Obligatory

1. European Commission (2021), The 2021 Ageing Report. Economic and budgetary projections for the EU Member States (2019-2070), Institutional Paper 148

### Optional

1. Astolfi R., Lorenzoni L., Oderkirk J. (2012), A comparative Analysis of Health Forecasting Methods, OECD Health Working Papers, No. 59, OECD Publishing
2. Golinowska S., Kocot E., Sowa A. (2007), Health Expenditure scenarios in the New Member States: Country Report on Poland, ENEPRI Research Report No.47
3. Przywara B. (2010), Projecting future health care expenditure at European level: drivers, methodology and main results, European Economy, Economic Papers 417



## Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K08	Graduate is ready to stick to the ethical principles required of academic research and professional work
ZDP_KDR_U14	Graduate can search and analyse information on health care issues and health determinants in well-defined population, as well as formulate critical assessment
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W17	Graduate knows and understands legal and economic issues regarding health care sector entities

## Coordinated/Managed Care

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Economics and finance  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> written examination
<b>Subject coordinator</b>	Katarzyna Dubas-Jakóbczyk, Katarzyna Kissimova-Skarbek	
<b>Lecturer</b>	Katarzyna Dubas-Jakóbczyk, Katarzyna Kissimova-Skarbek, Przemysław Szetela, Estera Wieczorek	

<b>Period</b> Semester 3	<b>Examination</b> written examination  <b>Activities and hours</b> classes: 16	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	to provide the student with knowledge, abilities and competencies necessary to understand the complexity of the coordinated/managed care institutions and instruments
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#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
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<b>Knowledge - Student knows and understands:</b>			
W1	the concept of coordinated/managed care	ZDP_KDR_W11, ZDP_KDR_W14, ZDP_KDR_W31	written examination
W2	the different types of managed care organizations	ZDP_KDR_W12, ZDP_KDR_W14, ZDP_KDR_W17, ZDP_KDR_W31	written examination
W3	the different managed care interventions/ instruments, their advantages and disadvantages	ZDP_KDR_W11, ZDP_KDR_W12, ZDP_KDR_W14, ZDP_KDR_W15, ZDP_KDR_W17, ZDP_KDR_W31	written examination
<b>Skills - Student can:</b>			
U1	to perform an economic evaluation of a chosen coordinated care program	ZDP_KDR_U18, ZDP_KDR_U21, ZDP_KDR_U22, ZDP_KDR_U23	written examination, classroom observation, practical test, assignment report
U2	to evaluate the costs of coordinated care program using data from an international databases	ZDP_KDR_U17, ZDP_KDR_U18, ZDP_KDR_U21, ZDP_KDR_U22, ZDP_KDR_U23	written examination, classroom observation, practical test, assignment report
<b>Social competences - Student is ready to:</b>			
K1	is aware of the need for independent learning,	ZDP_KDR_K02	classroom observation
K2	is able to search for objective sources of knowledge health	ZDP_KDR_K02, ZDP_KDR_K08	classroom observation

### Calculation of ECTS points

<b>Activity form</b>	<b>Activity hours*</b>
classes	16
preparation for classes	10
preparation for examination	30
<b>Student workload</b>	<b>Hours</b> 56
<b>Workload involving teacher</b>	<b>Hours</b> 16
<b>Practical workload</b>	<b>Hours</b> 16

\* hour means 45 minutes

### Study content

No.	Course content	Subject's learning outcomes	Activities
1.	What is coordinated care? What are the objectives of its introduction?	W1, K1, K2	classes
2.	Insurance/payer oriented managed care organizations and products: Staff-, Group- and Network-HMOs', point of service products	W2, K1, K2	classes
3.	Provider oriented managed care organizations and products: independent practice association, preferred provider organizations, provider sponsored organizations, networks, integrated delivery systems.	W2, K1, K2	classes
4.	Managed care instruments - an overview: a) selective contracts, credentialing b) consumer cost-sharing (only short overview, details in other course) c) paying providers (only short overview, details in other course) d) quality and cost assurance: gate keeping, guidelines and clinical pathways, utilization review and management, quality management e) instruments for evaluation: EBM, HTA (only short overview, details in other course)	W3, U1, U2, K1, K2	classes
5.	Disease management programs v. Case management	W3, U1, U2, K1, K2	classes
6.	Forms of economic evaluation of coordinated/integrated care. CEA, CUA and CBA of selected coordinated care frameworks.	W3, U1, U2, K1, K2	classes
7.	Data sources for economic evaluation of coordinated care. Outcome measures. Measurement and valuation of costs. Assuring comparability of costs from different settings and years of analyses.	W1, W2, W3, U1, U2, K1, K2	classes

## Course advanced

### Teaching methods:

case study, textual analysis, brainstorm, classes / practicals, discussion, assignments solving, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	written examination, classroom observation, practical test, assignment report	min 60% points at the final exam

### Additional info

Scores for the exam:

- sufficient (3,0): 60-67%
- sufficient plus (3,5): 68-76%
- good (4): 77-84%
- good plus (4,5): 84-91%
- very good (5): 92-100%

## Entry requirements

Basic knowledge of economics and health economics, English language skills at a level, which enables to efficiently utilize

scientific literature and participate actively in seminars. One unjustified absence is allowed

## **Literature**

### **Obligatory**

1. Amelung V.E. (2013), Healthcare Management. Managed Care Organisations and Instruments, Springer Verlag, Berlin, Heidelberg
2. Amelung V., Stein V., Goodwin N., Balicer R., Nolte E., Suter E.(ed) (2017), Handbook - Integrated care. Springer 2017.

### **Optional**

1. Folland S., Goodman A.C., Stano M. (2012), The Economics of Health and Health Care, Pearson Prentice Hall, Upper Saddle River NJ, in 7th ed. chapter 12
2. G. Torrance G. (2015). Methods for economic evaluation of health care programmes. Fourth Edition. Oxford University Press.

## Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K08	Graduate is ready to stick to the ethical principles required of academic research and professional work
ZDP_KDR_U17	Graduate can assess the financial situation of a particular healthcare unit and draw up a business plan
ZDP_KDR_U18	Graduate can apply the knowledge on the possibilities and limitations of various instruments of allocation of real and financial resources in the health care system to formulate recommendations with regard to the health policy structure and evaluation of health programmes
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_U23	Graduate can communicate in a foreign language in the subjects of science and scientific disciplines relevant to the field of study, at the level commensurate with the academic area of his study, in line with the requirements laid down for B2+ level, Common European Framework of Reference for Languages
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W15	Graduate knows and understands the methods of economic evaluation used in health care: advanced level
ZDP_KDR_W17	Graduate knows and understands legal and economic issues regarding health care sector entities
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation

## Health Impact Assessment in All Policies

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science, Political science and administration  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> written examination
<b>Subject coordinator</b>	Iwona Kowalska-Bobko	
<b>Lecturer</b>	Iwona Kowalska-Bobko, Michał Zabdyr-Jamróz, Alicja Domagała, Bartosz Balcerzak, Beata Piórecka	
<b>Period</b> Semester 3	<b>Examination</b> written examination  <b>Activities and hours</b> classes: 12	<b>Number of ECTS points</b> 2.0

#### Goals

C1	Develop understanding of the HIA concept, process and tools.
C2	Presentation and assessment of the health determinants, the health impacts of public policy, project interventions or programs, and the potential of HIA to influence policy and decision making to the advantage of public health.

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	the HIA approach and its genesis	ZDP_KDR_W31	written credit
W2	the main trends and opinions represented in this context by researchers, public health specialists, key stakeholders (i.e. WHO)	ZDP_KDR_W04, ZDP_KDR_W31	written credit
<b>Skills - Student can:</b>			
U1	to indicate pro- and contra- of HIA in different policies (advantages and difficulties)	ZDP_KDR_U22	classroom observation, written credit
U2	to formulate a proposal of a solution for a given particular case (policy, strategy, instruments)	ZDP_KDR_U14	classroom observation, written credit
U3	to indicate methods and bodies/ institutions/organs for cooperation in the field of HIA implementation	ZDP_KDR_U03	classroom observation, written credit
<b>Social competences - Student is ready to:</b>			
K1	to cooperate due to project work with other students	ZDP_KDR_K03	classroom observation

## Calculation of ECTS points

Activity form	Activity hours*
classes	12
preparation for classes	23
preparation for examination	25
<b>Student workload</b>	<b>Hours</b> 60
<b>Workload involving teacher</b>	<b>Hours</b> 12
<b>Practical workload</b>	<b>Hours</b> 12

\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Introductory issues: explanations of term, definitions, scope, stages of process, data bases.	W1	classes
2.	HIA - basic models, perspectives of implementation in different policies, perspectives.	W2, U1, U3	classes



3.	Case studies based on actual proposal, for example: a. HIA - environmental health b. HIA and nutrition problems c. HIA: social inclusion and labour market strategies d. HIA: education.	U2, K1	classes
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## Course advanced

### Teaching methods:

case study, brainstorm, classes / practicals, discussion, group work, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, written credit	A written essay on a given subject.

## Entry requirements

basic knowledge of social and health policy, English language skills at a level which enables to efficiently utilize scientific literature and participate actively in the seminar

## Literature

### Obligatory

1. Cole B.L., Fielding J.E. (2007), Health impact assessment: A tool to help policy makers understand health beyond health care. Annu. Rev. Public Health, Vol. 28, pp. 393-412
2. Harris-Roxas B., Harris E. (2011), Differing forms, differing purposes: A typology of health impact assessment. Environ. Impact Assess. Rev., Vol. 31, Issue 4, pp. 396-403
3. Bhatia R., Seto E. (2011), Quantitative estimation in Health Impact Assessment: Opportunities and challenges. Environ. Impact Assess. Rev., Vol. 31, Issue 3, pp. 301-309

### Optional

1. Balint J., Boelens P., Debello M. (2003), Health Impact Assessment: SEIC (Sakhalin Energy Investment Company) Phase 2 Development. World Health Organization [online], p. 97-116, in available: [http://www.who.int/hia/examples/energy/en/HIA\\_Chps13\\_18.pdf](http://www.who.int/hia/examples/energy/en/HIA_Chps13_18.pdf) [accessed July 29, 2011]

## Effects

Code	Content
ZDP_KDR_K03	Graduate is ready to co-operate in order to solve scientific, social and professional issues, whilst observing professional ethics and legal regulations in place
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U14	Graduate can search and analyse information on health care issues and health determinants in well-defined population, as well as formulate critical assessment
ZDP_KDR_U22	Graduate can make use of skills acquired within the self-selected academic specialisation areas
ZDP_KDR_W04	Graduate knows and understands principles and the methods of the implementation of public health strategies, health and social policies at the local, national, European and global level
ZDP_KDR_W31	Graduate knows and understands the issues addressed within the framework of the chosen specialisation

## Qualitative and Quantitative Research Methods

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Health Sciences  <b>Field of study</b> Public Health  <b>Study level</b> second-cycle program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Health science		<b>Didactic cycle</b> 2022/23  <b>Realization year</b> 2023/24  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> graded credit
<b>Subject coordinator</b>	Maciej Polak, Karolina Koziara	
<b>Lecturer</b>	Maciej Polak, Karolina Koziara	

<b>Period</b> Semester 3	<b>Examination</b> graded credit  <b>Activities and hours</b> lecture: 3 classes: 15	<b>Number of ECTS points</b> 2.0
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#### Goals

C1	The course provides training in aims and methods of qualitative research as well as in statistical theory and a variety of statistical and computational methods for application in medicine and public health. Students arrive at conclusions about disease and health risks by evaluating and applying mathematical and statistical formulas to the factors that impact health.
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#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	the scenarios where qualitative research should be performed	ZDP_KDR_W01, ZDP_KDR_W27	project
W2	understands the basic of probability theory, statistical inference and hypothesis testing	ZDP_KDR_W28	project
W3	the rules of the design and conduct of epidemiological studies	ZDP_KDR_W01, ZDP_KDR_W27, ZDP_KDR_W28	project
<b>Skills - Student can:</b>			
U1	to develop research protocol for qualitative research	ZDP_KDR_U01	project
U2	interpret the results of qualitative research	ZDP_KDR_U01	project
U3	to plan and perform a substantial data analysis project as a culminating experience in quantitative research	ZDP_KDR_U21	project
U4	to organize, enter in database and manipulate data in a form ready for analysis	ZDP_KDR_U01	project
U5	to choose appropriate statistical methods and understand the strengths and limitations of different research methods	ZDP_KDR_U21	project
U6	to conduct data analysis	ZDP_KDR_U21	project
U7	to prepare a written report containing the performed statistical analyzes	ZDP_KDR_U21	project
<b>Social competences - Student is ready to:</b>			
K1	to collaborate and communicate effectively with professionals in related disciplines	ZDP_KDR_K02, ZDP_KDR_K07	project

### Calculation of ECTS points

Activity form	Activity hours*
lecture	3
classes	15
preparation of a project	30
preparation for classes	12
<b>Student workload</b>	<b>Hours</b> 60
<b>Workload involving teacher</b>	<b>Hours</b> 18
<b>Practical workload</b>	<b>Hours</b> 15

\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Qualitative research design.	W1	classes
2.	Data collecting instruments: 1) strategies of gathering data (structured and non-structured interviews, focus groups, document analysis, participant observation, case study); 2) project of the questionnaire Levels of measurement and concept of scaling Type of data, qualitative coding and analysis Validity of qualitative research - criteria for research judging	W2, W3, U1, U3, U4	classes
3.	Quantitative research concepts and instruments for gathering data.	U3, U4, U5	classes
4.	Data preparation (organizing the data for analysis) and performing descriptive methods to summarize basic features of a sample.	W1, W2, W3, U3, U4, U5, U6	classes
5.	Inferential statistics – concept of confidence interval, measures of association, review of the methods for comparing groups, regression modeling.	W2, U3, U4, U5, U6	lecture, classes
6.	Practical use of statistical methods in computer lab using statistical software exercises using real data.	W2, U3, U4, U5, U6	classes
7.	Learning about qualitative research paradigms and their practical application.	W1, U1, U2	classes
8.	Learning about the perspectives and analytical strategies of qualitative data: discourse research, grounded theory, phenomenological strategies.	W1, U1, U2	classes
9.	Mixed methods: conducting combined quantitative and qualitative methods.	W1, U1, U2	classes
10.	Preparation of final report	W2, U3, U4, U5, U6, U7, K1	classes

## Course advanced

### Teaching methods:

computer classes, discussion, lecture

Activities	Examination methods	Credit conditions
lecture	project	A final project in 2-person teams in written form will be required. The goal of the project is to conduct statistical analysis of a population health issue using a dataset. Project is scored from 0 to 40 points; minimum credit requirement is 24 points. Grades: • no credit (ndst) - <24 points • sufficient (dst) - 24-27 points • sufficient plus (+ dst) - 28-29 points • good (db) - 30-33 points • good plus (+ db) - 34-35 points • very good (bdb) - 36-40 points

Activities	Examination methods	Credit conditions
classes	project	A final project in 2-person teams in written form will be required. The goal of the project is to conduct statistical analysis of a population health issue using a dataset. Project is scored from 0 to 40 points; minimum credit requirement is 24 points. Grades: • no credit (ndst) - <24 points • sufficient (dst) - 24-27 points • sufficient plus (+ dst) - 28-29 points • good (db) - 30-33 points • good plus (+ db) - 34-35 points • very good (bdb) - 36-40 points

## Entry requirements

Basic knowledge of epidemiology, descriptive statistics and statistical analysis

## Literature

### Obligatory

1. Strauss A.L. (1989), Qualitative Analysis for Social Scientists, Cambridge University Press, Cambridge
2. Creswell J. (2013), Research Design: Qualitative, Quantitative and Mixed Methods Approaches. Sage Publications

### Optional

1. Rosner B. (2010), Fundamentals of biostatistics, Cengage Learning Inc., Boston
2. Babbie E. (2013), The Practice of Social Research, Cengage Learning Inc., Boston

## Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_U01	Graduate can apply the theoretical knowledge in order to perceive, observe and interpret the phenomena of population's health status
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_W01	Graduate knows and understands epidemiological models and instruments as well as prevention methods of infectious and non-communicable diseases, including those related to quality of environment, individual lifestyle, dietary habits, and other health risk factors
ZDP_KDR_W27	Graduate knows and understands principles of research planning, data collection techniques, and research tools
ZDP_KDR_W28	Graduate knows and understands the principles of statistical inference