



**European Master in Public Health
EUROPUBHEALTH+**

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

Batch 2023-2025



**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 2024/2025)

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 29 ECTS for mandatory modules and 28 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
Mandatory Modules					29
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

Name of the course	Class form	M/F	Credit form Mark / Pass or Fail	Number of teaching hours	ECTS
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
Integration module - at EHSP in Rennes (France)	Seminar	M	-	30	3

M- mandatory, F- facultative

Total number of ECTS: 60

Introduction to Governance in Health System

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Political science and administration, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0620e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination oral examination</p>	
Subject coordinator	Iwona Kowalska-Bobko		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination oral examination	Number of ECTS points 3.0	Activities and hours classes: 22

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
U1	identify various situational constrains 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
Social competences - Student is ready to:			
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
Student workload	Hours 90
Workload involving teacher	Hours 22
Practical workload	Hours 22

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
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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	The graduate is ready to critically assess own competence and consult experts
ZDP_KDR_K02	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_U03	The graduate is able to draw conclusions concerning the influence of the state's health policy on the implementation of public health programmes and other policies
ZDP_KDR_U15	The graduate is able to carry out critical analysis and interpretation of scientific publications, expert studies, and reports on public health
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W11	The graduate knows and understands mutual relations between political and economic processes and effective actions towards population's health
ZDP_KDR_W13	The graduate knows and understands the principles defining local, national, and international health and social policy
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations

Health Systems Goals and Performance in Transition

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Health science, Political science and administration</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0552e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination oral examination</p>	
Subject coordinator	Iwona Kowalska-Bobko		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination oral examination	Number of ECTS points 2.0	Activities and hours classes: 14

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 60
Workload involving teacher	Hours 14
Practical workload	Hours 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
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

Effects

Code	Content
ZDP_KDR_K03	The graduate is ready to cooperate in solving scientific, social, and professional problems, following the principles of professional ethics and legal regulations
ZDP_KDR_U03	The graduate is able to draw conclusions concerning the influence of the state's health policy on the implementation of public health programmes and other policies
ZDP_KDR_U05	The graduate is able to describe and analyse the main health strategies and reforms in selected European countries, and international public health strategies
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W07	The graduate knows and understands the functioning of institutions responsible for health-promotion and prosocial activities, and the rules of monitoring the strategies they implement
ZDP_KDR_W11	The graduate knows and understands mutual relations between political and economic processes and effective actions towards population's health
ZDP_KDR_W12	The graduate knows and understands principles, methods, and tools for organizing and financing health care systems in Poland and in the world
ZDP_KDR_W13	The graduate knows and understands the principles defining local, national, and international health and social policy

Financial Resources for Health

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Economics and finance, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0365e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination graded credit</p>	
Subject coordinator	Marzena Tambor		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination graded credit	Number of ECTS points 2.0	Activities and hours classes: 16

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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

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

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
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	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K07	The graduate is ready to consider all arguments to make right decisions
ZDP_KDR_U05	The graduate is able to describe and analyse the main health strategies and reforms in selected European countries, and international public health strategies
ZDP_KDR_U15	The graduate is able to carry out critical analysis and interpretation of scientific publications, expert studies, and reports on public health
ZDP_KDR_U18	The graduate is able to apply knowledge about the possibilities and limitations of various instruments for allocating real and financial resources in the health care system, at the same time formulating recommendations for constructing health policies and assessing health programmes
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W12	The graduate knows and understands principles, methods, and tools for organizing and financing health care systems in Poland and in the world
ZDP_KDR_W14	The graduate knows and understands the principles and conditions of allocating resources in health care
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations

Human Resources for Health

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Management science and quality, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0579e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination written examination</p>	
Subject coordinator	Alicja Domagała		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination written examination	Number of ECTS points 2.0	
	Activities and hours classes: 18		

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 53
Workload involving teacher	Hours 18
Practical workload	Hours 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	The graduate is ready to address in debate and concrete action essential social and health issues, important also to groups discriminated against
ZDP_KDR_U04	The graduate is able to independently suggest solutions to various problems in public health, taking into account the applicable standards
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W04	The graduate knows and understands principles and methods of implementing public health strategies, health and social policy on the local, national, European, and global level
ZDP_KDR_W20	The graduate knows and understands factors that condition effective human resource management

Change Management and Leadership

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Management science and quality, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0128e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination graded credit</p>	
Subject coordinator	Stojgniew Sitko		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination graded credit	Number of ECTS points 2.0	Activities and hours classes: 18

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 successfully.
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Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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

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

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities

1.	System changes as a current health sector challenge. Basic terms and approaches of change management and leadership. 8 steps of change management: Establishing a sense of urgency, Finding and empowering of a leader. Creating a guiding coalition, stakeholders management and leaders role. Developing of good vision and strategy. Leaders function in communicating the changed vision. Empowering broad-base action; How leaders make a "change infection" to spread? Generating short-term wins. Consolidating gains and producing more change, anchoring new approaches in culture. Other tools and concepts for organizational change. Organizational change managed and lead properly - summary. Introduction to project preparation and presentation.	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
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	The graduate is ready to critically assess own competence and consult experts
ZDP_KDR_K02	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K07	The graduate is ready to consider all arguments to make right decisions
ZDP_KDR_U03	The graduate is able to draw conclusions concerning the influence of the state's health policy on the implementation of public health programmes and other policies
ZDP_KDR_U05	The graduate is able to describe and analyse the main health strategies and reforms in selected European countries, and international public health strategies
ZDP_KDR_U07	The graduate is able to use effective social and interpersonal communication techniques, and assess the quality of communication in various social situations
ZDP_KDR_U10	The graduate is able to identify barriers in implementing health education in local communities, and use appropriate communication methods in implementing particular educational programmes
ZDP_KDR_U16	The graduate is able to use strategic analysis tools and methods and devise a strategic plan for a health care institution
ZDP_KDR_U19	The graduate is able to analyse, monitor, and evaluate the implementation of social activities and programmes designed for specific groups of people
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W04	The graduate knows and understands principles and methods of implementing public health strategies, health and social policy on the local, national, European, and global level
ZDP_KDR_W06	The graduate knows and understands methods and tools for planning, implementing, and assessing the effectiveness of health and social programmes, and examples of good practice in public health
ZDP_KDR_W11	The graduate knows and understands mutual relations between political and economic processes and effective actions towards population's health
ZDP_KDR_W20	The graduate knows and understands factors that condition effective human resource management
ZDP_KDR_W21	The graduate knows and understands rudimentaries of the principles of social interactions

Economic Burden of Diseases

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Health science, Economics and finance</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0263e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination graded credit</p>	
Subject coordinator	Katarzyna Kissimova-Skarbek		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination graded credit	Number of ECTS points 3.0	Activities and hours lecture: 6 classes: 12

Goals

C1	To familiarize students with the modern approach of evidence based health policy development.
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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			

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
Student workload	Hours 90
Workload involving teacher	Hours 18
Practical workload	Hours 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 health related 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, 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	The graduate is ready to critically assess own competence and consult experts
ZDP_KDR_K02	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K05	The graduate is ready to cooperate with different institutions in activities for improving society's health
ZDP_KDR_K07	The graduate is ready to consider all arguments to make right decisions
ZDP_KDR_K08	The graduate is ready to follow the ethical principles applicable in scientific research and in the profession
ZDP_KDR_K09	The graduate is ready to address in debate and concrete action essential social and health issues, important also to groups discriminated against
ZDP_KDR_U01	The graduate is able to use theoretical knowledge to notice, observe, and interpret phenomena in population health
ZDP_KDR_U02	The graduate is able to plan programmes in the area of public health and evaluate them
ZDP_KDR_U03	The graduate is able to draw conclusions concerning the influence of the state's health policy on the implementation of public health programmes and other policies
ZDP_KDR_U04	The graduate is able to independently suggest solutions to various problems in public health, taking into account the applicable standards
ZDP_KDR_U05	The graduate is able to describe and analyse the main health strategies and reforms in selected European countries, and international public health strategies
ZDP_KDR_U14	The graduate is able to find and analyse information about health problems and factors effecting the health of a particular population and form critical opinions on that basis
ZDP_KDR_U15	The graduate is able to carry out critical analysis and interpretation of scientific publications, expert studies, and reports on public health
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_U23	The graduate is able to communicate in a foreign language in the scientific fields and academic disciplines pertinent to the chosen field of study, in accordance with the requirements defined for the B2+ level of the Common European Framework of Reference for Languages
ZDP_KDR_W02	The graduate knows and understands methods of pre-assessing risks to population health and the distribution of diseases
ZDP_KDR_W07	The graduate knows and understands the functioning of institutions responsible for health-promotion and prosocial activities, and the rules of monitoring the strategies they implement
ZDP_KDR_W09	The graduate knows and understands basic sociological theories and concepts allowing to understand the role of sociometric research into socio-cultural factors in public health
ZDP_KDR_W11	The graduate knows and understands mutual relations between political and economic processes and effective actions towards population's health
ZDP_KDR_W15	The graduate knows and understands at an extended level - economic analyses methods used in health care
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations

Health Technology Assessment and Rational Pharmaceutical Policy

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Health science, Economics and finance</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0553e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination written examination</p>	
Subject coordinator	Tomasz Bochenek		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination written examination	Number of ECTS points 4.0	Activities and hours classes: 30

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 100

Workload involving teacher	Hours 30
Practical workload	Hours 30

* 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	The graduate is ready to critically assess own competence and consult experts
ZDP_KDR_K02	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K03	The graduate is ready to cooperate in solving scientific, social, and professional problems, following the principles of professional ethics and legal regulations
ZDP_KDR_K05	The graduate is ready to cooperate with different institutions in activities for improving society's health
ZDP_KDR_U04	The graduate is able to independently suggest solutions to various problems in public health, taking into account the applicable standards
ZDP_KDR_U15	The graduate is able to carry out critical analysis and interpretation of scientific publications, expert studies, and reports on public health
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W05	The graduate knows and understands the main projects and development trends in public health
ZDP_KDR_W07	The graduate knows and understands the functioning of institutions responsible for health-promotion and prosocial activities, and the rules of monitoring the strategies they implement
ZDP_KDR_W14	The graduate knows and understands the principles and conditions of allocating resources in health care
ZDP_KDR_W17	The graduate knows and understands legal and economic issues concerning the health care sector entities
ZDP_KDR_W24	The graduate knows and understands sources of scientific and professional information in public health care
ZDP_KDR_W27	The graduate knows and understands the rules of research planning, techniques of data collection, and research tools
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations



Market and Economic Incentives in Health Care

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Economics and finance, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0705e</p>	<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination written examination</p>	
<p>Subject coordinator</p>	Christoph Sowada, Marzena Tambor	
<p>Lecturer</p>	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.	
<p>Period Semester 3</p>	<p>Examination written examination</p> <p>Activities and hours classes: 18</p>	<p>Number of ECTS points 2.0</p>

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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

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

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
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	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_U18	The graduate is able to apply knowledge about the possibilities and limitations of various instruments for allocating real and financial resources in the health care system, at the same time formulating recommendations for constructing health policies and assessing health programmes
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_U23	The graduate is able to communicate in a foreign language in the scientific fields and academic disciplines pertinent to the chosen field of study, in accordance with the requirements defined for the B2+ level of the Common European Framework of Reference for Languages
ZDP_KDR_W12	The graduate knows and understands principles, methods, and tools for organizing and financing health care systems in Poland and in the world
ZDP_KDR_W14	The graduate knows and understands the principles and conditions of allocating resources in health care
ZDP_KDR_W17	The graduate knows and understands legal and economic issues concerning the health care sector entities
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations

New Public Management in Health Care

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0833e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination written examination</p>	
Subject coordinator	Iwona Kowalska-Bobko		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination written examination	Number of ECTS points 1.0	Activities and hours classes: 10

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 30
Workload involving teacher	Hours 10
Practical workload	Hours 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	The graduate is ready to address in debate and concrete action essential social and health issues, important also to groups discriminated against
ZDP_KDR_U03	The graduate is able to draw conclusions concerning the influence of the state's health policy on the implementation of public health programmes and other policies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W10	The graduate knows and understands the role of institutions operating in the health care system in the area of: care, education, promotion, supervision, and planning
ZDP_KDR_W16	The graduate knows and understands planning and strategic management methods on various organizational levels of the health care system
ZDP_KDR_W20	The graduate knows and understands factors that condition effective human resource management

Projections of Health Care Expenditure and Revenue

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Economics and finance, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o1292e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination graded credit</p>	
Subject coordinator	Ewa Kocot		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination graded credit	Number of ECTS points 2.0	Activities and hours computer classes: 16

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 60
Workload involving teacher	Hours 16
Practical workload	Hours 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	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K08	The graduate is ready to follow the ethical principles applicable in scientific research and in the profession
ZDP_KDR_U14	The graduate is able to find and analyse information about health problems and factors effecting the health of a particular population and form critical opinions on that basis
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W12	The graduate knows and understands principles, methods, and tools for organizing and financing health care systems in Poland and in the world
ZDP_KDR_W17	The graduate knows and understands legal and economic issues concerning the health care sector entities

Coordinated/Managed Care

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Economics and finance, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0180e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination written examination</p>	
Subject coordinator	Katarzyna Dubas-Jakóbczyk, Katarzyna Kissimova-Skarbek		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination written examination	Number of ECTS points 2.0	Activities and hours classes: 16

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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

Activity form	Activity hours*
classes	16
preparation for classes	10
preparation for examination	30
Student workload	Hours 56
Workload involving teacher	Hours 16
Practical workload	Hours 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	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K08	The graduate is ready to follow the ethical principles applicable in scientific research and in the profession
ZDP_KDR_U17	The graduate is able to evaluate the financial situation of a health care entity and prepare a business plan
ZDP_KDR_U18	The graduate is able to apply knowledge about the possibilities and limitations of various instruments for allocating real and financial resources in the health care system, at the same time formulating recommendations for constructing health policies and assessing health programmes
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_U23	The graduate is able to communicate in a foreign language in the scientific fields and academic disciplines pertinent to the chosen field of study, in accordance with the requirements defined for the B2+ level of the Common European Framework of Reference for Languages
ZDP_KDR_W11	The graduate knows and understands mutual relations between political and economic processes and effective actions towards population's health
ZDP_KDR_W12	The graduate knows and understands principles, methods, and tools for organizing and financing health care systems in Poland and in the world
ZDP_KDR_W14	The graduate knows and understands the principles and conditions of allocating resources in health care
ZDP_KDR_W15	The graduate knows and understands at an extended level - economic analyses methods used in health care
ZDP_KDR_W17	The graduate knows and understands legal and economic issues concerning the health care sector entities
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations

Health Impact Assessment in All Policies

Educational subject description sheet

Basic information

<p>Organizational unit Faculty of Health Sciences</p> <p>Field of study Public Health</p> <p>Study level second-cycle program</p> <p>Study form full-time</p> <p>Education profile general academic</p> <p>Disciplines Political science and administration, Health science</p> <p>Subject related to scientific research Yes</p> <p>USOS code NZ.ZP.2S.2o0551e</p>		<p>Didactic cycle 2023/24</p> <p>Realization year 2024/25</p> <p>Lecture languages english</p> <p>Block obligatory for passing in the course of studies</p> <p>Mandatory obligatory</p> <p>Examination written examination</p>	
Subject coordinator	Iwona Kowalska-Bobko		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination written examination	Number of ECTS points 2.0	Activities and hours classes: 12

Goals

C1	Develop understanding of the HIA concept, process and tools.
C2	Presentationa 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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 60
Workload involving teacher	Hours 12
Practical workload	Hours 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 [accessed July 29, 2011]

Effects

Code	Content
ZDP_KDR_K03	The graduate is ready to cooperate in solving scientific, social, and professional problems, following the principles of professional ethics and legal regulations
ZDP_KDR_U03	The graduate is able to draw conclusions concerning the influence of the state's health policy on the implementation of public health programmes and other policies
ZDP_KDR_U14	The graduate is able to find and analyse information about health problems and factors effecting the health of a particular population and form critical opinions on that basis
ZDP_KDR_U22	The graduate is able to use the skills obtained from the specialization
ZDP_KDR_W04	The graduate knows and understands principles and methods of implementing public health strategies, health and social policy on the local, national, European, and global level
ZDP_KDR_W31	The graduate knows and understands issues discussed in the chosen specialisations

Qualitative and Quantitative Research Methods

Educational subject description sheet

Basic information

Organizational unit Faculty of Health Sciences Field of study Public Health Study level second-cycle program Study form full-time Education profile general academic Disciplines Health science USOS code NZ.ZP.2S.2o1363e		Didactic cycle 2023/24 Realization year 2024/25 Lecture languages english Block obligatory for passing in the course of studies Mandatory obligatory Examination graded credit	
Subject coordinator	Maciej Polak, Karolina Koziara		
Lecturer	The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.		
Period Semester 3	Examination graded credit	Number of ECTS points 2.0	Activities and hours lecture: 3 classes: 15

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
Knowledge - Student knows and understands:			
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
Skills - Student can:			
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
Social competences - Student is ready to:			
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
Student workload	Hours 60
Workload involving teacher	Hours 18
Practical workload	Hours 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 and to design a short structured or semi-structured interview. 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 and to design a short structured or semi-structured interview. 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	The graduate is ready to independently acquire knowledge, develop skills, and undertake actions on the basis of reliable sources of information
ZDP_KDR_K07	The graduate is ready to consider all arguments to make right decisions
ZDP_KDR_U01	The graduate is able to use theoretical knowledge to notice, observe, and interpret phenomena in population health
ZDP_KDR_U21	The graduate is able to present research results in an independently made presentation, dissertation, or paper, including the description and objective of the work, the adopted methodology, the results and their significance in comparison to other similar studies
ZDP_KDR_W01	The graduate knows and understands epidemiological models and tools, and principles and methods of infectious and non-infectious disease prevention, including those related to environmental quality, lifestyle, dietary habits, and other health risk factors
ZDP_KDR_W27	The graduate knows and understands the rules of research planning, techniques of data collection, and research tools
ZDP_KDR_W28	The graduate knows and understands the principles of statistical inference