



FOR ANY CORRESPONDENCE

EHESP School of Public Health
EUROPUBHEALTH
15 Avenue du Professeur Léon Bernard – CS 74312
35043 RENNES Cedex. France
europubhealth@ehesp.fr
www.europubhealth.org



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JAGIELLONIAN
UNIVERSITY
IN KRAKÓW

European Master in Public Health EUROPUBHEALTH+

Specialization: Governance and Economics of Health Systems in Transition



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

From 2025-2027 cohort

The presented programme of the specialization **Governance and Economics of Health System in Transition** is designated for the second-year international students of the **Europubhealth+** programme who completed their first year at University of Sheffield (England), at the Andalusian School of Public Health (EASP) - University of Granada (Spain), at the University College of Dublin (Ireland) or at the University of Liège (Belgium).

I. PRESENTATION

The specialization course lasts two semesters and students obtain 57 ECTS in total for mandatory modules and 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 programmes development team,
- leader of health care programmes,
- 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

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

Study Plan

Governance and Economics of Health Systems in Transition

Semester 3

Name of the course	Class form	M/F	Credit form Mark / Pass or Fail	Number of teaching hours	ECTS
Mandatory Modules					28
Health and Safety Training	short online course	M	Pass or fail	4	0
Introduction to governance in health system	practical classes	M	Mark	14	2
Market and state in health care – economic -perspective	practical classes/seminars	M	Mark	16	2
Health systems goals and performance in transition	practical classes/seminars	M	Mark	14	2
Health care financing and economic incentives	practical classes	M	Mark	20	3
Human resources for health	practical classes	M	Mark	20	3
Health technology assessment	practical classes	M	Mark	24	3
Change management and leadership	practical classes	M	Mark	18	2
Values in health systems	practical classes	M	Mark	14	2
Projections of health care expenditure and revenue	practical classes in computer laboratory	M	Mark	16	2
Economic burden of diseases	lectures/computer laboratory	M	Mark	6/14	3
Sustainability and resilience of health systems	practical classes	M	Mark	20	2
Economic solutions to current health system problems	practical classes	M	Mark	16	2

M- mandatory, F- facultative

Total number of mandatory hours (without self-education): 216

Total number of ECTS: 28

Semester 4

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	12
Master's seminar and Dis- sertation	Seminar	M	Grading for seminar: Pass or Fail Grading for master the- sis and master exam - grading scale: 2 (insufficient, fail) – 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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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	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 examination, oral answer, project
W2	principles and values of good governance in health and correctly identify its features	ZDP_KDR_W13	oral examination, oral answer, project
Skills - Student can:			
U1	identify various situational constrains and determinants of policy-making in health	ZDP_KDR_U03	oral examination, classroom observation, oral answer, project
U2	adequately propose governance tools in dealing with those issues	ZDP_KDR_U15	oral examination, 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 examination, classroom observation, oral answer, project
Social competences - Student is ready to:			
K1	presentation own views and opinions on governance in health	ZDP_KDR_K01	oral examination, classroom observation, oral answer, project
K2	engagement in a constructive critique and consideration of any relevant health policy issue	ZDP_KDR_K02	oral examination, classroom observation, oral answer, project

Calculation of ECTS points

Activity form	Activity hours*
classes	14
preparation for classes	13
case analysis	13
preparation for examination	20
Student workload	Hours 60
Workload involving teacher	Hours 14
Practical workload	Hours 27

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Concept of Public Governance (bureaucratic model (Public Administration – PA, New Public Management (NPM), differences between PA and NPM, disadvantages of the NPM model).	W2, U2	classes
2.	Concept of Public Governance (bureaucratic model (Public Administration – PA, New Public Management (NPM), differences between PA and NPM, disadvantages of the NPM model)	W1, K1	classes
3.	Health in all policies (governance for health and health impact assessment).	U1, U3, K1	classes
4.	Determinants of health (demographic, epidemiological, economic, social, technological, health systems).	W2, U3, K2	classes
5.	Evidence based policy-making. Multi-level systemic legislation	W1, U3, K2	classes
6.	Corporate governance models in the global health system.	U2, K1, K2	classes
7.	Political context (centralization, decentralization, globalization, political systems)	U1, U3, K1, K2	classes
8.	New modes of health policy-making (good governance, stewardship, participatory governance, models of policy-making and models of democracy).	W1, W2, U1, U2, U3, K1, K2	classes

Course advanced

Teaching methods :

case study, textual analysis, brainstorm, discussion, group work, seminar, lecture, lecture with multimedia presentation, PBL Problem Based Learning

Activities	Examination methods	Credit conditions
classes	oral examination, classroom observation, oral answer, project	The final grade consists of: 40% of the grade for the project presentation, 40% of the final oral exam, 20% of the grade for activity during classes.

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
3. Zabdyr-Jamróz M. (2021), 'All they want is money!' The deliberative theory approach to the inclusion of nurses' self-interests in the 2016 strike in the Children's Memorial Health Institute in Warsaw. Social Theory & Health: Vol. 19, s. 68-91.

Optional

1. Zabdyr-Jamróz M. & Popa E. (2025), Deliberative Democracy and the Three Inputs of Governance: Expertise, Self-Interest, and Emotions, Politeja (in press)

Effects

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

Market and state in health care - economic perspective
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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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	Christoph Sowada		
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	Providing knowledge and developing skills concerning using of market mechanism as allocation and distribution instrument in health care sector.
C2	Providing knowledge and developing skills concerning using of state as allocation and distribution instrument in health care sector.

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 care sector	ZDP_KDR_W14, ZDP_KDR_W17	written examination
W2	conception of perfect market and Pareto optimum	ZDP_KDR_W14, ZDP_KDR_W17	written examination
W3	different cases of market failures in general and in health care sector and examples of instruments used for reducing market failures	ZDP_KDR_W14, ZDP_KDR_W17	written examination
W4	the role of the state in the economy and health care sector	ZDP_KDR_W11, ZDP_KDR_W14, ZDP_KDR_W17	written examination
W5	different cases of state failures in general and in health sector (principles of public choice theory) and examples of instruments used for reducing state failures	ZDP_KDR_W11, ZDP_KDR_W14, ZDP_KDR_W17	written examination
Skills - Student can:			
U1	critically apprise economic discussion concerning the implementation of market and state as allocation and distribution instruments in health sector	ZDP_KDR_U18, ZDP_KDR_U23	written examination, classroom observation
Social competences - Student is ready to:			
K1	acquiring knowledge on his own	ZDP_KDR_K01, ZDP_KDR_K02	classroom observation
K2	searching for objective sources of knowledge	ZDP_KDR_K01, ZDP_KDR_K02	classroom observation

Calculation of ECTS points

Activity form	Activity hours*
classes	16
participation in examination	1
preparation for examination	30
preparation for classes	10

Student workload	Hours 57
Workload involving teacher	Hours 16
Practical workload	Hours 16

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Basic economic categories, concepts and laws - short repetition.	W1	classes
2.	Perfect market and allocative efficiency.	W1, W2	classes
3.	Allocative efficiency and justice.	W1, W2, K1, K2	classes
4.	Market failures - an overview.	W1, W2, W3, U1, K1, K2	classes
5.	Public, social and merit goods in health sector.	W1, W2, W3, U1, K1, K2	classes
6.	Externalities in health care.	W1, W2, W3, U1, K1, K2	classes
7.	Asymmetry of information in health care and its consequences: moral hazard, supplier induced demand, adverse selection.	W1, W2, W3, U1, K1, K2	classes
8.	Economic conceptions and instruments for reducing market failures - examples.	W1, W2, W3, U1, K1, K2	classes
9.	State tasks in economy and health sector.	W1, W4, K1, K2	classes
10.	State as a tool for reducing market failures.	W1, W4, W5, U1, K1, K2	classes
11.	State as a tool for achieving equality.	W1, W4, W5, U1, K1, K2	classes
12.	State failures - principles of public choice theory.	W1, W4, W5, U1, K1, K2	classes

Course advanced

Teaching methods :

brainstorm, classes / practicals, discussion, 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.

Additional info

The grade for the examen depends on the number of points obtained:

- Satisfactory (3.0): the student obtains 60-67% of the points
- Satisfactory plus (3.5): the student obtains 68-75% of the points
- Good (4.0): the student obtains 76-83% of the points
- Good plus (4.5): the student obtains 84-90% of the points

- Very good (5.0): the student obtains more than 90% of the points

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. 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
2. Kifmann M. (2002), Insuring Premium Risk in Competitive Health Insurance Markets, Mohr Verlag, Tübingen, p. 14-20

Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_U18	Graduate can apply the knowledge on the possibilities and limitations of various instruments of allocation of real and financial resources in the health care system to formulate recommendations with regard to the health policy structure and evaluation of health programmes
ZDP_KDR_U23	Graduate can communicate in a foreign language in the subjects of science and scientific disciplines relevant to the field of study, at the level commensurate with the academic area of his study, in line with the requirements laid down for B2+ level, Common European Framework of Reference for Languages
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W17	Graduate knows and understands legal and economic issues regarding health care sector entities

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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	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	Graduate is ready to co-operate in order to solve scientific, social and professional issues, whilst observing professional ethics and legal regulations in place
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_W07	Graduate knows and understands principles of functioning of institutions responsible for health-promoting and socially-oriented activities and monitoring of the strategies implemented
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W13	Graduate knows and understands principles defining local, national and international health and social policies

Health care financing and economic incentives

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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 3.0	Activities and hours classes: 20

Goals

C1	Equipping students with knowledge about health care financing methods and economic incentives to alter the behavior of health care consumers and providers.
C2	Developing the skills 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	components of the healthcare financing system and its objectives	ZDP_KDR_W12, ZDP_KDR_W14	test
W2	mechanisms for mobilizing public and private resources for health care, along with their characteristics	ZDP_KDR_W12, ZDP_KDR_W14	test
W3	different economic incentives to influence health care consumer behavior and their effectiveness	ZDP_KDR_W11	test
W4	the role of purchasing systems and provider payment methods in shaping health care provider behavior	ZDP_KDR_W19	test
Skills - Student can:			
U1	select and interpret appropriate indicators to describe and analyze health care financing systems	ZDP_KDR_U14, ZDP_KDR_U18	project
U2	utilize scientific evidence to evaluate health care financing systems	ZDP_KDR_U15	project
Social competences - Student is ready to:			
K1	consider various factors and values that shape health care financing systems	ZDP_KDR_K07	classroom observation, project
K2	independent learning and skill development for analyzing health care financing systems	ZDP_KDR_K02	classroom observation, project

Calculation of ECTS points

Activity form	Activity hours*
classes	20
przygotowanie do zaliczenia przedmiotu	20
preparation of a project	20
preparation for classes	5
kształcenie samodzielne	10
Student workload	Hours 75
Workload involving teacher	Hours 20
Practical workload	Hours 20

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Health care financing systems - objectives, functions, and models.	W1, K1	classes
2.	Mechanisms for mobilizing public resources for healthcare (taxation, social health insurance).	W2, U2, K2	classes
3.	Mechanisms for mobilizing private resources for health care (out-of-pocket payments, voluntary health insurance, medical savings accounts).	W2, U2, K2	classes
4.	Economic incentives to influence consumer behavior.	W3, U2, K2	classes
5.	Healthcare provider payment systems and economic incentives to modify provider behavior.	W4, U2, K2	classes
6.	Evaluation of health care financing systems.	U1, U2, K1, K2	classes

Course advanced

Teaching methods :

textual analysis, classes / practicals, discussion

Activities	Examination methods	Credit conditions
classes	classroom observation, project, test	Obtaining a positive grade from the written test and the project presentation. The student is required to complete a project on the healthcare financing system in a given country and present the project results. Evaluation criteria for project presentation: a) Content-related criteria (70%): coverage of the topic, the ability to gather and analyze relevant and up-to-date data and scientific evidence, understanding and appropriate use of terminology and indicators, logical, clear, and coherent content; b) Form-related criteria (30%): language correctness, presentation fluency, keeping within the time limit, design, and graphical presentation.

Additional info

The final grade for the course is the average of the grades for the presentation of the project work (50%) and the written test (50%).

The grade for the test and project presentation depends on the number of points obtained:

- Satisfactory (3.0): the student obtains 60-67% of the points
- Satisfactory plus (3.5): the student obtains 68-75% of the points
- Good (4.0): the student obtains 76-83% of the points
- Good plus (4.5): the student obtains 84-90% of the points
- Very good (5.0): the student obtains more than 90% of the points

Entry requirements

none

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. Tambor M. (red.) (2024), *Financing and Economic Incentives in Public Health*, w: S. Golinowska i in. (red.), Warszawa: Scholar, s. 867-914
3. Yazbeck A. S., Soucat A. L., Tandon A., Cashin C., Kutzin J., Watson J., ... Evetovits T. (2023), Addiction to a bad idea, especially in low-and middle-income countries: contributory health insurance, *Social Science & Medicine*, 320, 115168
4. 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
5. 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
6. 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
7. Langenbrunner J., Cashin C., O'Dougherty S. (red.) (2009), *Designing and implementing health care provider payment systems: how-to manuals*, World Bank Publications

Optional

1. 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
2. Ataguba J. E., Kabaniha G. A. (2022), Characterizing key misconceptions of equity in health financing for universal health coverage, *Health Policy and Planning*, 37(7), 928-931.
3. 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

Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_U14	Graduate can search and analyse information on health care issues and health determinants in well-defined population, as well as formulate critical assessment
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U18	Graduate can apply the knowledge on the possibilities and limitations of various instruments of allocation of real and financial resources in the health care system to formulate recommendations with regard to the health policy structure and evaluation of health programmes
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W19	Graduate knows and understands techniques and methods of contracting health services and their accounting techniques

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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 3.0	Activities and hours classes: 20

Goals

C1	To provide current knowledge of the healthcare labor market and practical tools of human resources management. Based on new theoretical knowledge of human resources management and related skills, students will acquire the fundamentals of proper management of healthcare personnel.
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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 healthcare facilities	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	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	20
tutorial	2
case analysis	4
participation in examination	1
analysis of the research material	8
preparation of multimedia presentation	12
preparation for classes	10
preparation for examination	12
conducting literature research	8
information collection	8
Student workload	Hours 85
Workload involving teacher	Hours 20
Practical workload	Hours 32

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Human resources for health: definition, characteristics, international comparisons.	W1, W2	classes
2.	The concept and scope of the labor market of the health sector.	W1, W2	classes
3.	Education for health. Training and professional development.	W1, W2	classes
4.	Human resources planning in healthcare systems.	W2, U1	classes
5.	Motivation of healthcare personnel: incentives for health professionals, including financial and non-financial incentives.	W2, U1	classes
6.	Migration of healthcare workers - scale and reasons worldwide.	W1, W2, U1	classes
7.	Key international initiatives and strategies concerning the health workforce.	W1, W2, 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 test while individual classes will be credited based on the student attendance, activity, and presentations prepared by students (focused on current problems of human resources for health in their country). Final assessment: 70% - written test, 30% - presentation.

Literature

Obligatory

1. World Health Organization (2022), Health and Health Workforce in Europe. Time to act. Copenhagen, World Health Organization, Regional Office for Europe
2. World Health Organization (2016), Global Strategy on Human Resources for Health: 2030

Optional

1. Kuhlmann E, Lotta G, Dussault G, Falkenbach M, Correia T. (2024), The workforce crisis in healthcare: Moving the debate to bridge evidence and policy. International Journal of Health Planning and Management, 39(3):607-613

Effects

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

Health technology assessment

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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	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 graded credit	Activities and hours classes: 24	Number of ECTS points 3.0

Goals

C1	1. Providing students with the knowledge, skills, and competencies necessary to understand and appreciate the role of health technology assessment within contemporary healthcare systems and health policy, including pharmaceutical policy. 2. Helping the student become better equipped to undertake or participate in interventions aimed at rationalizing the use of health technologies at various levels of the healthcare system, as well as effectively participating in multidisciplinary teams involved in assessing health technologies at their various stages.
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Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	the processes and steps of scientific research based on HTA	ZDP_KDR_W27	oral answer, essay, project, test, gap filling test, multiple choice test
W2	designing and planning the basic HTA research, justifying the application of necessary research tools and methods of data gathering, sources of scientific information necessary in performing HTA analyses, and practical applications of these analyses	ZDP_KDR_W24, ZDP_KDR_W27	oral answer, essay, project, test, gap filling test, multiple choice test
W3	organization of the provision and financing of medicines, medical devices and other health technologies within health care systems, with a focus on applying HTA into health policies	ZDP_KDR_W12	oral answer, essay, project, test, gap filling test, multiple choice test
W4	meaning of main plots of content of complex texts on concrete and abstract topics, including an understanding of issues associated with HTA	ZDP_KDR_W05	oral answer, essay, project, test, gap filling test, multiple choice test
Skills - Student can:			
U1	perform critical analysis and interpretation of HTA report, as well as draw conclusions based on such report	ZDP_KDR_U15, ZDP_KDR_U26	oral answer, essay, project, obserwacja pracy uczestnika
U2	participate in the preparation of the HTA report in its basic and standard form	ZDP_KDR_U08	oral answer, essay, project, obserwacja pracy uczestnika
U3	independently formulate, plan, propose and implement solutions for concrete problems	ZDP_KDR_U04, ZDP_KDR_U08, ZDP_KDR_U26	oral answer, essay, project, obserwacja pracy uczestnika
Social competences - Student is ready to:			
K1	independently gather knowledge and expand research skills utilizing objective sources of information. Student is also aware of the necessity of such activities in his/her own professional career	ZDP_KDR_K01, ZDP_KDR_K02	obserwacja pracy uczestnika
K2	engage in the promotion of HTA and rational management of health technologies, including medicines, as well as show interest in problems related to HTA, pharmaceutical and health policies	ZDP_KDR_K04	obserwacja pracy uczestnika
K3	work in a multidisciplinary team, aiming to solve practical problems in the area of HTA and pharmaceutical policy	ZDP_KDR_K05	obserwacja pracy uczestnika

Calculation of ECTS points

Activity form	Activity hours*
classes	24
preparation for classes	24
przygotowanie do zaliczenia przedmiotu	10
preparation of multimedia presentation	10
information collection	10
preparation of a report	10
Student workload	Hours 88
Workload involving teacher	Hours 24
Practical workload	Hours 24

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	<p>1. Introduction to the module on Health Technology Assessment (HTA); the subsequent steps of HTA.</p> <p>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.</p> <p>3. Costs of health technologies, types and steps of health economic evaluations in HTA, cost-effectiveness analysis, introduction to modeling (decision trees, Markov modeling).</p> <p>4. Budget impact analyses and health care system impact analyses in HTA.</p> <p>5. HTA guidelines in Poland and worldwide</p> <p>6. Role of EBM and HTA in decision making and health policy, including pharmaceutical policy, pricing and reimbursement of medicines and medical devices. International overview of HTA applications. HTA agencies and other HTA organizations worldwide.</p>	W1, W2, W3, W4, U1, U2, U3, K1, K2, K3	classes

Course advanced

Teaching methods :

textual analysis, classes / practicals, discussion, educational film, group work, assignments solving, lecture, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	oral answer, essay, project, test, gap filling test, multiple choice test, obserwacja pracy uczestnika	Awarding a credit and a final grade is based on 4 elements: active participation in exercises (20%), preparation of a written report (20%) and its oral presentation (20%), passing a written exam in form of a test (40%).

Literature

Obligatory

1. Agencja Oceny Technologii Medycznych i Taryfikacji (2016) Health Technology Assessment Guidelines, AOTM, Warszawa
2. EUnetHTA (2016) HTA Core Model. Version 3.0 EUnetHTA Joint Action 2, Work Package 8 (selected chapters)
3. Vogler S, Zimmermann N (2016) Glossary of Pharmaceutical Terms. WHO Collaborating Centre for Pharmaceutical Pricing and Reimbursement Policies. Vienna: 1-140
4. Other scientific resources, including papers from specialized scientific literature, are recommended or provided to students during seminars, depending on the needs and individual project topics.

Optional

1. Bonnano 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
2. Other scientific resources, including papers from specialized scientific literature, are recommended or provided to students during seminars, depending on the needs and individual project topics.

Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K04	Graduate is ready to involve him\herself in promoting the idea of public health and develop the interest in the social and health policy issues
ZDP_KDR_K05	Graduate is ready to work with different institutions in improving health status of population
ZDP_KDR_U04	Graduate can independently propose solutions for various problems related to health of particular population, taking into account the standards in force
ZDP_KDR_U08	Graduate can work in a team on addressing and resolving selected problem related to public health and integrate theoretical knowledge into practice
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U26	Graduate is able to apply medical technology assessment to optimise the functioning of the healthcare system
ZDP_KDR_W05	Graduate knows and understands main development trends and projects in public health
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W24	Graduate knows and understands sources of scientific and professional information in the area of public health
ZDP_KDR_W27	Graduate knows and understands principles of research planning, data collection techniques, and research tools

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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, Katarzyna Nowak-Zajac		
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	Equipping students with the knowledge and skills to understand the causes and mechanisms of organizational change and the challenges these changes pose to the organization and managers. Performing the own case analysis of the introduction of organizational change.
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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	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 elements 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, Effectively communicating the changed vision, Empowering broad-base action - how to make a "change infection" to spread? Generating short-term wins, Consolidating gains and producing more change, anchoring new approaches in culture, Examples of other tools and concepts for organizational change. 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

An important aspect of the class is the analysis of practical cases of change management in healthcare sector organizations in various countries prepared by students, giving examples of conditions conducive to such changes, a picture of their processes and possible mistakes made during the changes and their consequences for the organization. These considerations also allow to indicate the sources and effects of resistance to introducing changes and the possibilities and ways of overcoming this resistance. The assessment of such an analysis project and its presentation prepared by the student is an important component of the final assessment of the subject.

Attendance at all classes is mandatory. Each absence must be justified and credited to the person conducting the given class, who specifies the conditions for crediting such absence.

Entry requirements

Knowledge of the basics of management and human resources management. Orientation in the principles and practice of the operation of healthcare sector organizations.

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

Values in health systems

Educational subject description sheet

Basic information

Organizational unit Faculty of Health Sciences		Didactic cycle 2025/26	
Field of study Public Health		Realization year 2026/27	
Study level second-cycle program		Lecture languages english	
Study form full-time		Block obligatory for passing in the course of studies	
Education profile general academic		Mandatory obligatory	
Disciplines Health science		Examination graded credit	
ISCED classification 0988 Interdisciplinary programmes involving broad field 09			
Subject coordinator		Iwona Kowalska-Bobko, Michał Zabdyr-Jamróż	
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: 14		

Goals

C1	Introducing the participants in the features of the Value-Based Health Care Model.
C2	Presentation of the ways in which Value-Based Health Care is implemented globally and in Poland.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	the legal, political, economic, social and organizational conditions for the operation of a value-based health care system (VHCS)	ZDP_KDR_W11	classroom observation, project
W2	the concepts and strategies of a value-based health care system (VHCS)	ZDP_KDR_W06	classroom observation, project
W3	legal, political, social and economic determinants of accessibility to health services	ZDP_KDR_W11	classroom observation, project
W4	actions taken in health systems to implement innovative drug and non-drug technologies, integration of care, quality measures, digitalization.	ZDP_KDR_W33	classroom observation, project
Skills - Student can:			
U1	correctly identify the causes and necessities of implementing elements of VHCS in modern health systems	ZDP_KDR_U15	classroom observation, project
U2	identify the strengths and weaknesses of VBHC	ZDP_KDR_U05	classroom observation, project
U3	uzasadnić potrzebę stosowania koncepcji 'skill mix' w systemach opieki zdrowotnej	ZDP_KDR_U05	classroom observation, project
Social competences - Student is ready to:			
K1	show sensitivity to social and health issues in society	ZDP_KDR_K04	classroom observation, project
K2	participate constructively in discussions and is open to other arguments	ZDP_KDR_K03	classroom observation, project

Calculation of ECTS points

Activity form	Activity hours*
classes	14
preparation for classes	10
preparation of multimedia presentation	10
preparation of a project	26
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.	The value-based healthcare model - Porter and Elizabeth Teisberg's model against the background of traditional approaches in healthcare systems.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
2.	Strategies for implementing the VBHC concept (Porter and Lee's strategy).	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
3.	Reasons for the need to change the current healthcare system to VBHC	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
4.	Social values in healthcare (human rights, solidarity, equality, inclusion, autonomy, people's voice, liquid modernity).	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
5.	Accessibility to health services: legal, political, social, economic determinants.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
6.	Rationing mechanisms in health systems	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
7.	Quality in health care systems.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
8.	Efficiency versus equality - real dilemma or?	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
9.	New models of medical personnel cooperation - skill mix approach.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
10.	HB-HTA: implementation of medical innovation in hospitals	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
11.	Integrated health care delivery system.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
12.	The role of the pharmaceutical industry	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
13.	Digitalization in health care.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes
14.	Implementation of VBHC in the world - practical examples; barriers and opportunities.	W1, W2, W3, W4, U1, U2, U3, K1, K2	classes

Course advanced

Teaching methods :

case study, textual analysis, classes / practicals, discussion, problem solving method, project method, case study method, group work, lecture with multimedia presentation, PBL Problem Based Learning

Activities	Examination methods	Credit conditions
classes	classroom observation, project	The final grade consists of: 60% of the grade for the project presentation, 40% of the grade for activity during classes.

Literature

Obligatory

1. Neel. S (2015), Understanding Value Based Healthcare, Lange.

Optional

1. Teisberg E, Wallace S, O'Hara S. Defining and Implementing Value-Based Health Care: A Strategic Framework. Acad Med. 2020 May;95(5):682-685. doi: 10.1097/ACM.0000000000003122. PMID: 31833857; PMCID: PMC7185050.

Effects

Code	Content
ZDP_KDR_K03	Graduate is ready to co-operate in order to solve scientific, social and professional issues, whilst observing professional ethics and legal regulations in place
ZDP_KDR_K04	Graduate is ready to involve him\herself in promoting the idea of public health and develop the interest in the social and health policy issues
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_W06	Graduate knows and understands methods and instruments of planning, implementation and assessing the effectiveness of health and social programmes, as well as examples of good practices in the area of public health
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W33	Graduate demonstrates the knowledge and understanding of the principles for designing and implementing coordinated (managed) healthcare, the procedures, methods and techniques used in coordinated healthcare as well as domestic and foreign examples of coordinated healthcare programmes

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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 expenditure and revenue.
C2	Providing abilities to construct in the Excel spreadsheet a simple prognostic model of the health expenditure and revenue, taking into account their main determinants and to present the results of 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 general and in a selected country) and the main factors affecting the level of revenue	ZDP_KDR_W12, ZDP_KDR_W17	project
W2	main determinants of the health care expenditure	ZDP_KDR_W12, ZDP_KDR_W17	project
Skills - Student can:			
U1	find, evaluate, analyze and join information from different sources	ZDP_KDR_U14	classroom observation, project
U2	construct the simple model of expenditure and revenue projection, interpret the results	ZDP_KDR_U14, ZDP_KDR_U15	classroom observation, 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	classroom observation, project
K2	comply with the ethical principles applicable in research	ZDP_KDR_K08	classroom observation, 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
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* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
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 examples of introducing them to the projection model.	W2, U1	computer classes
3.	Sources of revenues of health care system, factors influencing the level of revenues and examples of introducing them to the projection model.	W1, U1	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	classroom observation, project	To complete the module an active participation in seminars, solving all exercises assigned during classes and a preparation of final project - health expenditures/revenues projection for a selected country are required. The results of projections have to be presented in the written form (report and Excel file with calculations). Additionally, a student may be asked to present results of the prepared prognosis. The final mark is equal to the mark received from the final project. The final project is assessed in terms of the completeness and accuracy of the analysis and in terms of the content and structure of the report.

Literature

Obligatory

1. European Commission (2024), 2024 Ageing Report. Economic & Budgetary Projections for the EU Member States (2022-2070), Institutional Paper 279 (chosen parts)

Optional

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

Effects

Code	Content
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K08	Graduate is ready to stick to the ethical principles required of academic research and professional work
ZDP_KDR_U14	Graduate can search and analyse information on health care issues and health determinants in well-defined population, as well as formulate critical assessment
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U21	Graduate can present the results of research in the form of a presentation, essay, paper comprising a description and justification of the research aim, methodology adopted, results and their relevance to similarly scoped studies
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W17	Graduate knows and understands legal and economic issues regarding health care sector entities

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>	<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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>	
<p>Subject coordinator</p>	<p>Katarzyna Kissimova-Skarbek</p>	
<p>Lecturer</p>	<p>The full list of lecturers is available on the website usosweb.uj.edu.pl in the tab Directory → Courses.</p>	
<p>Period Semester 3</p>	<p>Examination graded credit</p> <p>Activities and hours lecture: 6 computer classes: 14</p>	<p>Number of ECTS points 3.0</p>

Goals

C1	Familiarizing the students with the concepts of assessing economic burden of diseases and its use in evidence based health policy development.
C2	Helping students to learn about methods and tools of assessment of the burden of diseases, injuries and risk factors 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	group assessment, oral answer, essay, project
W2	main units of measurement the disease burden (expressed in monetary and non-monetary terms) and techniques of their calculation	ZDP_KDR_W09, ZDP_KDR_W15	classroom observation, oral answer, essay, project, oral credit
W3	method of using GBD results for benchmarking the health systems of selected countries with similar level of development	ZDP_KDR_W11	classroom observation, essay, project
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_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_U23	classroom observation, oral answer, essay, project, oral credit
U3	use the published results of the actual GBD 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_U23	group assessment, oral answer, essay, project, oral credit
U4	describe an economic impact of the chosen disease in the selected country	ZDP_KDR_U01, ZDP_KDR_U02, ZDP_KDR_U03, ZDP_KDR_U05, ZDP_KDR_U14, ZDP_KDR_U21, ZDP_KDR_U23	group assessment, oral answer, essay, project, oral credit
Social competences - Student is ready to:			

Code	Outcomes in terms of	Effects	Examination methods
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
computer classes	14
case analysis	20
preparation for classes	16
preparation of a project	34
Student workload	Hours 90
Workload involving teacher	Hours 20
Practical workload	Hours 34

* 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, W3, U1	lecture, computer classes
2.	Scope and perspective of diseases burden assessment.	W1, K2	lecture

No.	Course content	Subject's learning outcomes	Activities
3.	Nonmonetary units of measurement the disease burden: (a) Natural units: number of deaths due to the disease, number of persons with the disease, cause specific mortality rate, prevalence rates, incidence rates. (b) 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, computer classes
4.	Nonmonetary units of measurement the disease burden: (c) Units considering duration and health related quality of life lost (Summary Measures of Population Health: 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, computer classes
5.	The costs-of-illness approach: direct costs (medical and non-medical) and indirect costs. Perspective of the costs of illness analysis. Burden of diabetes mellitus example.	W1, W2, U2, U3, K1	lecture, computer classes
6.	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, computer classes
7.	Using results from the global burden of disease, injuries, and risk factors study for benchmarking of health systems. Socio-Demographic Index applied for selection of peer countries.	W1, W2, W3, U1, U2, U3, U4, K1, K2	lecture, computer 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	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. Electronic file containing all necessary calculations (in special MS Excel form) has to be handed over three days before the deadline. The MS Word (or pdf, or PowerPoint presentation with the detailed notes) file containing complex project results description should be submitted by the deadline. Final assessment: project 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
computer classes	classroom observation, group assessment, oral answer, essay, project, oral credit	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. 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).

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 2021 Diseases and Injuries Collaborators. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet* 2024; 403: 2133–61. Published Online April 17, 2024 [https://doi.org/10.1016/S0140-6736\(24\)00757-8](https://doi.org/10.1016/S0140-6736(24)00757-8)
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. 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/>

Effects

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

Sustainability and resilience of health systems

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>ISCED classification 0988 Interdisciplinary programmes involving broad field 09</p> <p>Subject related to scientific research Yes</p>		<p>Didactic cycle 2025/26</p> <p>Realization year 2026/27</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	Iwona Kowalska-Bobko, Michał Zabdyr-Jamróż		
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: 20

Goals

C1	Providing knowledge and developing skills concerning using the concept of sustainability and resilience in the health sector.
C2	Identification of the most relevant areas of action for sustainability and resilience in the health system.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	the concept of sustainability and resilience in the health system	ZDP_KDR_W03, ZDP_KDR_W04, ZDP_KDR_W05, ZDP_KDR_W06, ZDP_KDR_W07, ZDP_KDR_W10, ZDP_KDR_W11, ZDP_KDR_W12, ZDP_KDR_W13, ZDP_KDR_W23	classroom observation, project, assignment report
W2	the multidimensionality of health systems action to secure system sustainability and resilience	ZDP_KDR_W03, ZDP_KDR_W04, ZDP_KDR_W05, ZDP_KDR_W06, ZDP_KDR_W07, ZDP_KDR_W10, ZDP_KDR_W11, ZDP_KDR_W12, ZDP_KDR_W13, ZDP_KDR_W23	classroom observation, project, assignment report
Skills - Student can:			
U1	identify the most important domains for sustainability and resilience	ZDP_KDR_U01, ZDP_KDR_U02, ZDP_KDR_U03, ZDP_KDR_U04, ZDP_KDR_U05	classroom observation, project, assignment report
U2	characterize the sustainability and resilience domain of the health system	ZDP_KDR_U01, ZDP_KDR_U02, ZDP_KDR_U03, ZDP_KDR_U04, ZDP_KDR_U05	classroom observation, project, assignment report
Social competences - Student is ready to:			
K1	show sensitivity to social and health issues in society	ZDP_KDR_K01, ZDP_KDR_K02, ZDP_KDR_K03, ZDP_KDR_K04, ZDP_KDR_K07, ZDP_KDR_K08, ZDP_KDR_K09	classroom observation, project, assignment report
K2	participate constructively in discussions and is open to other arguments	ZDP_KDR_K01, ZDP_KDR_K02, ZDP_KDR_K03, ZDP_KDR_K04, ZDP_KDR_K07, ZDP_KDR_K08, ZDP_KDR_K09	classroom observation, project, assignment report

Calculation of ECTS points

Activity form	Activity hours*
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classes	20
preparation for classes	8
preparation of a project	24
preparation of multimedia presentation	8
Student workload	Hours 60
Workload involving teacher	Hours 20
Practical workload	Hours 20

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Defining the phenomena of sustainability and resilience in health systems	W1, W2, U1, U2, K1, K2	classes
2.	International concepts of WHO, OECD, EU for identifying domains of sustainability and resilience in health systems.	W1, W2, U1, U2, K1, K2	classes
3.	Characteristics of governance domain: key messages from PHSSR country reports.	W1, W2, U1, U2, K1, K2	classes
4.	Characteristics of the health care financing domain: key messages from PHSSR country reports	W1, W2, U1, U2, K1, K2	classes
5.	Characteristic of service delivery domain: key messages from PHSSR country reports.	W1, W2, U1, U2, K1, K2	classes
6.	Characteristic of human resources domain: key messages from PHSSR country reports.	W1, W2, U1, U2, K1, K2	classes
7.	Characteristic of medicines and technologies domain: key messages from PHSSR country reports.	W1, W2, U1, U2, K1, K2	classes
8.	Domain characteristics environmental determinants: key messages from PHSSR country reports.	W1, W2, U1, U2, K1, K2	classes
9.	Development of a health system sustainability and resilience matrix - for a selected health system.	W1, W2, U1, U2, K1, K2	classes

Course advanced

Teaching methods :

case study, textual analysis, brainstorm, classes / practicals, discussion, project method, group work, lecture, lecture with multimedia presentation, PBL Problem Based Learning

Activities	Examination methods	Credit conditions
classes	classroom observation, project, assignment report	The final grade consists of: 60% of the grade for the project presentation, 40% of the grade for activity during classes.

Literature

Obligatory

1. Gocke D., Johnston-Webber Ch., McGuire A., WhartonG. (2023), Building Sustainable and Resilient Health Systems, Partnership for Health System Sustainability and Resilience (PHSSR). London

Optional

1. Mostly recent PHSSR reports.

Effects

Code	Content
ZDP_KDR_K01	Graduate is ready to critically analyse his own level of competence, and make use of any available expert assistance
ZDP_KDR_K02	Graduate is ready to acquire knowledge on his own, expand individual scope of skills and abilities, and undertake target-oriented actions using reliable sources of information
ZDP_KDR_K03	Graduate is ready to co-operate in order to solve scientific, social and professional issues, whilst observing professional ethics and legal regulations in place
ZDP_KDR_K04	Graduate is ready to involve him\herself in promoting the idea of public health and develop the interest in the social and health policy issues
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_K08	Graduate is ready to stick to the ethical principles required of academic research and professional work
ZDP_KDR_K09	Graduate is ready to undertakes important social and health issues in discussions and concrete actions, which are important also for discriminated groups
ZDP_KDR_U01	Graduate can apply the theoretical knowledge in order to perceive, observe and interpret the phenomena of population's health status
ZDP_KDR_U02	Graduate can plan and evaluate different public health programmes
ZDP_KDR_U03	Graduate can draw conclusions on the impact of state health policies on the implementation of public health programmes and other policies
ZDP_KDR_U04	Graduate can independently propose solutions for various problems related to health of particular population, taking into account the standards in force
ZDP_KDR_U05	Graduate can describe and analyse the key strategies and health reforms in the selected European countries and international public health strategies
ZDP_KDR_W03	Graduate knows and understands problem of health inequalities and various models that explain them
ZDP_KDR_W04	Graduate knows and understands principles and the methods of the implementation of public health strategies, health and social policies at the local, national, European and global level
ZDP_KDR_W05	Graduate knows and understands main development trends and projects in public health
ZDP_KDR_W06	Graduate knows and understands methods and instruments of planning, implementation and assessing the effectiveness of health and social programmes, as well as examples of good practices in the area of public health
ZDP_KDR_W07	Graduate knows and understands principles of functioning of institutions responsible for health-promoting and socially-oriented activities and monitoring of the strategies implemented
ZDP_KDR_W10	Graduate knows and understands role of health care system institutions in the areas of health, education, health promotion, supervision and planning
ZDP_KDR_W11	Graduate knows and understands relationship between political and economic processes and effective action for the health of the population
ZDP_KDR_W12	Graduate knows and understands principles, methods and instruments of organization and financing health care system in Poland and worldwide
ZDP_KDR_W13	Graduate knows and understands principles defining local, national and international health and social policies
ZDP_KDR_W23	Graduate knows and understands integrated crisis management systems

Economic solutions to current health system problems

Educational subject description sheet

Basic information

Organizational unit Faculty of Health Sciences		Didactic cycle 2025/26	
Field of study Public Health		Realization year 2026/27	
Study level second-cycle program		Lecture languages english	
Study form full-time		Block obligatory for passing in the course of studies	
Education profile general academic		Mandatory obligatory	
Disciplines Economics and finance, Health science		Examination graded credit	
ISCED classification 0988 Interdisciplinary programmes involving broad field 09			
Subject coordinator	Katarzyna Dubas-Jakóbczyk		
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	Providing students with knowledge, skills and competencies necessary to understand and critically assess the scope, complexity and applicability of different economic solutions to current health problems.
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Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	different examples of coordinated/managed care institutions and instruments	ZDP_KDR_W33	assignment report, test
W2	the role of public reporting systems in health care	ZDP_KDR_W10	assignment report, test
W3	examples of environmentally sustainable investment in health care	ZDP_KDR_W05	assignment report, test
W4	examples and limits of AI and robotic solution in health care	ZDP_KDR_W25	assignment report, test
W5	methods for economic evaluation of health care programs	ZDP_KDR_W14, ZDP_KDR_W15	assignment report, test
Skills - Student can:			
U1	critically appraise the applicability of chosen economic solution addressing indicated health care problem	ZDP_KDR_U04, ZDP_KDR_U06	classroom observation, assignment report, test
U2	develop a plan for an economic evaluation of chosen health program	ZDP_KDR_U02, ZDP_KDR_U26	classroom observation, assignment report, test
U3	find and analyze adequate/evidence based data sources	ZDP_KDR_U06, ZDP_KDR_U15	classroom observation, assignment report, test
Social competences - Student is ready to:			
K1	present own views on applicability of economic solutions to current health problems	ZDP_KDR_K09	classroom observation
K2	take into consideration diverse perspectives and factors that affect economic solution in health care	ZDP_KDR_K07	classroom observation

Calculation of ECTS points

Activity form	Activity hours*
classes	16
analysis of the research material	10
preparation for classes	10
przygotowanie do zaliczenia przedmiotu	15
Student workload	Hours 51
Workload involving teacher	Hours 16
Practical workload	Hours 26

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Coordinated/managed care – definition, institutions (insurance/payers vs. provider oriented) and instruments (financial, quality and evaluation)	W1, U1, K1, K2	classes
2.	Public reporting systems in health care (definition, objectives, practical implementation and evaluation)	W2, U1, K1, K2	classes
3.	Environmentally sustainable investments in health care (definition, practical examples, evidence on costs-effectiveness)	W3, U1, K1, K2	classes
4.	AI and robotic solution in health care (definition, practical examples)	W4, U1, K1, K2	classes
5.	Methods for economic evaluation of health care interventions (types and stages of analyses, data sources).	W5, U2, U3, K1, K2	classes

Course advanced

Teaching methods :

textual analysis, classes / practicals, discussion, lecture, lecture with multimedia presentation

Activities	Examination methods	Credit conditions
classes	classroom observation, assignment report, test	Active participation in the discussions during the classes. Obtaining a minimum of 60% of the points at the final assignment (test/open questions).

Entry requirements

None.

Literature

Obligatory

1. Amelung V.E. (2013), Healthcare Management. Managed Care Organisations and Instruments, Springer Verlag, Berlin, Heidelberg
2. G. Torrance G. (2015). Methods for economic evaluation of health care programmes. Fourth Edition. Oxford University Press.
3. WHO (2020). WHO guidance for climate resilient and environmentally sustainable health care facilities. World Health Organization. Geneva.

Optional

1. Amelung V., Stein V., Goodwin N., Balicer R., Nolte E., Suter E.(ed) (2017), Handbook - Integrated care. Springer 2017.
2. WHO (2021). Generating Evidence for Artificial Intelligence Based Medical Devices: A Framework for Training Validation and Evaluation. World Health Organization. Geneva

Effects

Code	Content
ZDP_KDR_K07	Graduate is ready to consider all arguments in order to make the right decision
ZDP_KDR_K09	Graduate is ready to undertakes important social and health issues in discussions and concrete actions, which are important also for discriminated groups
ZDP_KDR_U02	Graduate can plan and evaluate different public health programmes
ZDP_KDR_U04	Graduate can independently propose solutions for various problems related to health of particular population, taking into account the standards in force
ZDP_KDR_U06	Graduate can critically assess the reliability of information/data on determinants of population health
ZDP_KDR_U15	Graduate can carry out a critical analysis and interpretation of scientific publications, expert opinions and reports of public health
ZDP_KDR_U26	Graduate is able to apply medical technology assessment to optimise the functioning of the healthcare system
ZDP_KDR_W05	Graduate knows and understands main development trends and projects in public health
ZDP_KDR_W10	Graduate knows and understands role of health care system institutions in the areas of health, education, health promotion, supervision and planning
ZDP_KDR_W14	Graduate knows and understands principles and conditions of resource allocation in health care
ZDP_KDR_W15	Graduate knows and understands the methods of economic evaluation used in health care: advanced level
ZDP_KDR_W25	Graduate knows and understands information systems and IT tools useful for the development of public health programmes
ZDP_KDR_W33	Graduate demonstrates the knowledge and understanding of the principles for designing and implementing coordinated (managed) healthcare, the procedures, methods and techniques used in coordinated healthcare as well as domestic and foreign examples of coordinated healthcare programmes