

COURSE SPECIFICATION

Name of Institution Mahidol University
Campus/Faculty/Department ASEAN Institute for Health Development

Section 1 General Information

1. Course Code and Title

2. ADPM 642 Health Financing for Social Health Protection
 สอสม ๖๔๒ การคลังสุขภาพเพื่อการคุ้มครองทางสุขภาพสังคม

3. Number of Credits

2 (1-2-3) Credits (lecture – laboratory – self-study)

4. Curriculum and Course Type

Program of Study Master of Primary Health Care Management
 Course Type Core Required Electives

4. Faculty Member in Charge of this Course and Advisor of Internship

4.1 Faculty Member in Charge of this Course

Assoc.Prof.Dr. Orapin Laosee
 ASEAN Institute for Health Development
 Phone number 02-4419040-3 Ext. 63, E-mail: orapin.lao@mahidol.edu

4.2 Lecturers

Assoc.Prof.Dr. Orapin Laosee
 ASEAN Institute for Health Development
 Phone number 02-4419040-3 Ext. 63, E-mail: orapin.lao@mahidol.edu

Dr. Thaworn Sakunphanit
 Lect. Dr. Poontavika Naka
 Lect. Dr. Orawan Prasitsiriphon

5. Semester/The training experience required in the curriculum

Semester 2/2023

6. Pre-requisite None

7. Co-requisite None

8. Venue of Study ASEAN Institute for Health Development, Mahidol University

9. Date of Latest Revision 25 May 2023

Section 2 Goals and Objectives

1. Course Goals

This course aims to provide knowledge and abilities as follows:

1. Describe the main concepts, principles, and objectives of Social Health Protection and linkages with health systems using existing frameworks.
2. Describe a country's health situation, particularly its health and Social Health Protection systems.
3. Describe the main guiding principles, options, and challenges for revenue collection and risk pooling for health systems and Social Health Protection.
4. Discuss the principles and practice of actuarial modeling for health care benefits, including primary health care (PHC) and other health services
5. Analyze and interpret statistical data with the objective of making assessment and financial projections for primary healthcare, other health services, and Social Health Protection.

2. Objectives of Course Development/Revision Field Experience Course

The revision aims to meet the needs of health financing in social health protection to develop a health services system. Additionally, it seeks to promote the utilization of information technology to reflect the updated trend in conducting research.

Section 3 Course Management

1. Course Description

Definitions and evolution of the social protection; health systems and the linkages with the social health protection; the health situation of a country using the concepts of health systems; the burden of diseases and the social health protection; financing options, the revenue collection, the contribution rate; the coverage of the population to reach universal health coverage; concept of modeling in health care financing, modeling process; statistics, source of data and data management; the demographic module, the macroeconomic module, the labour market module, the coverage module, the health care financing module, funding allocation mechanisms.

คำจำกัดความและวิวัฒนาการของการคุ้มครองทางสังคม ระบบสุขภาพและความเชื่อมโยงกับการคุ้มครองทางสุขภาพสังคม สถานการณ์สุขภาพของประเทศโดยใช้แนวคิดของระบบสุขภาพ ภาระโรคและการคุ้มครองทางสุขภาพสังคม ทางเลือกทางการคลัง การจัดเก็บภาษี อัตราเงินสมทบ ความครอบคลุมของประชากรเพื่อไปสู่หลักประกันสุขภาพถ้วนหน้า แนวคิดของแบบจำลองทางการคลังการดูแลสุขภาพ กระบวนการสร้างแบบจำลอง สถิติ แหล่งข้อมูล การเก็บรวบรวมข้อมูลและการจัดการข้อมูล แบบจำลอง

ย่อยประชากร แบบจำลองย่อยเศรษฐศาสตร์มหภาค แบบจำลองย่อยตลาดแรงงาน แบบจำลองย่อยความครอบคลุม แบบจำลองย่อยการคลังการดูแลสุขภาพ กลไกการจัดสรรกองทุน

2. Credit Hours per Semester

Lecture	1	Hour
Laboratory/Field Trip/Internship	2	Hour
Laboratory	0	Hour
Self Study	3	Hour

3. Number of hours that lecturers provide counseling and guidance to individual student

Tuesday and Friday 14.00-16.00 at Building 1, 2nd floor ASEAN Institute for Health Development; Office hours (at least 2 hours/week)

Section 4 Development of Students' Learning Outcome

1. A brief summary of the knowledge or skills expected to develop in students; the course-level expected learning outcomes (CLOs) On completion of the course, students will be able to:

1. Describe the main concepts, principles, and objectives of Social Health Protection and linkages with health systems using existing frameworks.

2. Describe a country's health situation, particularly its health and Social Health Protection systems.

3. Describe the main guiding principles, options, and challenges for revenue collection and risk pooling for health systems and Social Health Protection.

4. Discuss the principles and practice of actuarial modeling for health care benefits, including primary health care (PHC) and other health services

5. Analyze and interpret statistical data with the objective of making assessment and financial projections for primary healthcare, other health services, and Social Health Protection.

2. How to organize learning experiences to develop the knowledge or skills stated in number 1 and how to measure the learning outcomes

CLOs	Teaching and learning experience management			Learning outcomes measurements			
	Lecture	Individual Work	Group Work	Test	Assignment quality	Individual Reports	Group Reports
CLO1	x				x		
CLO2	x				x		

CLO3	x				x		
CLO4	x				x		
CLO5	x				x		

Section 5 Teaching and Evaluation Plans

1. Teaching Plan

Week or No.	Topic	Hours			Teaching and Learning Activities	Lecturers
		Lecture	Laboratory	Self Study		
1	Definition and evolution of social protection (I)	1	2	3	Lecture, group discussion	Assoc.Prof.Dr. Orapin Laosee and Specialist from ILO
2	Definition and evolution of social protection (II)	1	2	3	Lecture, presentation	Dr. Thaworn Sakunphanit and Specialist from ILO
3	Health systems and the linkages with Social Health protection	1	2	3	Lecture, group discussion	Assoc.Prof.Dr. Orapin Laosee and Specialist from ILO
4	Health situation of a country using the concepts of health systems	1	2	3	Lecture, case study	Dr. Thaworn Sakunphanit
5	Burden of disease and social health protection	1	2	3	Lecture, group discussion	Assoc.Prof.Dr. Orapin
6	Financing Options, Revenue Collection, and Contribution Rate	1	2	3	Lecture, presentation	Dr. Thaworn Sakunphanit

7	Coverage of the population to reach Universal Health Coverage	1	2	3	Lecture, group discussion	Dr. Thaworn Sakunphanit
8	Concept of modeling in health care financing	1	2	3	Lecture, case study	Dr. Thaworn Sakunphanit
9	Modeling process: Statistics (source of data and data management)	1	2	3	Lecture, exercise, group discussion	Dr. Poontavika Naka
10	Modeling process: the demographic module	1	2	3	Lecture, case study	Dr. Poontavika Naka
11	Modeling process: the macroeconomic module	1	2	3	Lecture, case study	Dr. Poontavika Naka
12	Modeling process: the labour market module	1	2	3	Lecture, case study, exercise	Dr. Poontavika Naka
13	Modeling process: the coverage module	1	2	3	Lecture, case study	Dr. Orawan Prasitsiriphon
14	Modeling process: the health care financing module	1	2	3	Lecture, case study, exercise	Dr. Orawan Prasitsiriphon
15	Modeling process: funding allocation mechanism	1	2	3	Lecture, case study, presentation	Dr. Orawan Prasitsiriphon
16	Examination					

2. Evaluation Plan

No.	Learning Outcomes	Evaluation Method	Week of Evaluation	Evaluation Allotment
1.	CLO1: Describe the main concepts, principles, and objectives of Social Health Protection and linkages with health systems using existing frameworks.	Class discussion	1, 3, 5, 7, 9	5%
		Presentation	2, 5, 15	20%
		Examination	16	10%

No.	Learning Outcomes	Evaluation Method	Week of Evaluation	Evaluation Allotment
2.	CLO2: Describe a country's health situation, particularly its health and Social Health Protection systems.	Participation	1-4	5%
3.	CLO3: Describe the main guiding principles, options, and challenges for revenue collection and risk pooling for health systems and Social Health Protection.	Presentation	3, 6, 7	10%
		Exercise	9	5%
		Examination	16	10%
4.	CLO4: Discuss the principles and practice of actuarial modeling for health care benefits, including primary health care (PHC) and other health services	Class discussion	9-15	5%
		Exercise	9	5%
		Examination	16	10%
5	CLO5: Analyze and interpret statistical data with the objective of making assessment and financial projections for primary healthcare, other health services, and Social Health Protection.	Exercise	12, 15	5%
		Examination	16	10%

3. Measurement and evaluation of student achievement

A	= 85-100 %
B+	= 75– 84 %
B	= 65 – 74 %
C+	= 55 – 64 %
C	= 45 – 54 %
F	= 0- 44 %

Section 6 Teaching Materials and Resources

1. Textbooks and Main Documents

1. Pablo Gottret, George Schieber, “Good Practice in Health care Financing 1st Edition, ISBN 13-8780821375112
2. Steven Berger, Fundamental of Health care management: A Practical Guide to Fiscal Issues and Activities, 4th Edition, ISBN 978-111880-1680

3. Carlene Harrison, Introduction to Health Care Financing and Accounting, ISBN 13-987-1111-308674
4. William O., Cleverley, Essentials of Health Care Financing, 7th Edition, ISBN 13-978-0763789299
5. Joseph Kutzin, WHO, DEVELOPING A NATIONAL HEALTH FINANCING STRATEGY: A REFERENCE GUIDE, ISBN 978-92-4-151210-7, 2017
6. Agnes Soucat et al., WHO, PUBLIC SPENDING ON HEALTH: A CLOSER LOOK AT GLOBAL TRENDS Ke Xu, 2018

2. Documents and Important Information

1. Anthony CR, Moore M, Hilborne LH, Rooney A, Hickey S, Ryu Y, et al. Health Sector Reform in the Kurdistan Region-Iraq: Primary Care Management Information System, Physician Dual Practice Finance Reform, and Quality of Care Training. *Rand health quarterly*. 2018;8(2):1.
2. Berman P, Mann C, Ricculli ML. Can Ethiopia Finance the Continued Development of Its Primary Health Care System If External Resources Decline? *Health systems and reform*. 2018;4(3):227-38.
3. Chernichovsky D, Hanson K. Innovations in health system finance in developing and transitional economies. *Advances in health economics and health services research*. 2009;21:xiii-xxi.
4. Corfits JF, Jr. Executive insights. Joseph F. Corfits, Jr., Senior Vice President of Finance and CFO, Central Iowa Health System. *Healthcare financial management : journal of the health care Financial Management Association*. 2003;57(7):32-4, 6.
5. DeGrazia D. Why the United States should adopt a single-payer system of health care finance. *Kennedy Institute of Ethics journal*. 1996;6(2):145-60.
6. Gorsky M. Hospitals, finance, and health system reform in Britain and the United States, c. 1910-1950: historical revisionism and cross-national comparison. *Journal of health politics, policy and law*. 2012;37(3):365-404.
7. Grant P. History of California health system. The first great battle over health finance reform. *California hospitals*. 1990;4(2):40-2.
8. Herrera T. Challenges facing the finance reform of the health system in Chile. *Medwave*. 2014;14(4):e5958.
9. Pohlmann GP. Should Wisconsin finance health care through a special tax and a voucher system? *WMJ : official publication of the State Medical Society of Wisconsin*. 2005;104(8):25-7.
10. Reinhardt UE. How to finance our changing health care system. *Bulletin of the New York Academy of Medicine*. 1987;63(1):7-19.

11. Shishkin S. Problems of transition from tax-based system of health care finance to mandatory health insurance model in Russia. Croatian medical journal. 1999;40(2):195-201.

Section 7 Evaluation and Improvement of Course Management

1. Evaluation Strategies for Course Effectiveness by Students

1.1 Evaluation of students by peer students to be done by the Faculty of Graduate Studies (Education Services Section)

1.2 Student evaluation to be done by Course Directors at the end of the course

- Course content
- Course management
- Suggestions
- Overall opinion

2. Teaching Evaluation Strategies

- Observation of student behaviors, attitudes, and academic contents during activities of class participation
- Students' report and analysis
- Question and answer
- Group presentation

3. Teaching Improvement

Presentation of course development, techniques used in teaching, and improvement with the participation of program management committee members of AIHD at program management committee meetings.

4. Verification of Students Achievements in the Course

- Analysis of students' learning outcomes using scores from class attendance, individual report activity and presentation
- Observing changes in perception and attitude of individual students and development i.e. personality, presentation, participation in working group, participatory action

5. Course Revision and Improvement Plan

- Meeting with all lecturers teaching the course to discuss and review the course before the semester starts and before each period of teaching
- Teaching materials sharing among lecturers for mutual learning, understanding, and development
- Meeting with all lecturers teaching the course to discuss and review after the course closed to consider requests, feedback, and suggestions of students and

make minor improvements to the course syllabus and materials before the next academic year.

Appendix
Relations between the course and the program

Table 1 Curriculum Mapping

● Major responsibility

○ Minor responsibility

Course Objectives (CLOs)	Program learning domains												
	1. Morality and ethics			2. Knowledg e		3. Intellectual skills			4. Interperson al Skills and Responsibili ty		5. Numeral Analysis Skills, Communication and Use of Information Technology		
	1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	4.2	5.1	5.2	5.3
CLO1: Describe the main concepts, principles, and objectives of Social Health Protection and linkages with health systems using existing frameworks.	●	●		●									
CLO2: Describe a country's health situation, particularly its health and Social Health Protection systems.					●	●							
CLO3: Describe the main guiding principles, options, and challenges for revenue collection and risk pooling for health				●		●							

Course Objectives (CLOs)	Program learning domains												
	1. Morality and ethics			2. Knowledg e		3. Intellectual skills			4. Interperson al Skills and Responsibili ty		5. Numeral Analysis Skills, Communication and Use of Information Technology		
	1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	4.2	5.1	5.2	5.3
systems and Social Health Protection.													
CLO4: Discuss the principles and practice of actuarial modeling for health care benefits, including primary health care (PHC) and other health services				●	●			●	○	○	●		
CLO5: Analyze and interpret statistical data with the objective of making assessment and financial projections for primary healthcare, other health services, and Social Health Protection.			●		●	○					○	●	●

* Expected Learning Outcome (TQF.2)

Expected Outcome (TQF.2)

1. Morality and Ethics

1.1 Exhibits discipline, honesty, and punctuality

1.2 Behave according to morals and ethics of academic and professional practice

1.3 Avoid academic plagiarism

2. Knowledge

2.1 Explain the theoretical and practical knowledge associated with primary health care management

2.2 Explain the interconnection of various fields of knowledge in primary health care management

3. Intellectual skills

3.1 Perform the manners of continuously seeking knowledge

3.2 Design the research to solve the problem identified in the primary health care management system

3.3 Defend in significant ways with questions or points of view or controversies in related fields.

4. Interpersonal Skill and Responsibility

4.1 Perform interpersonal communication skills to establish and enhance personal and work-based relationships.

4.2 Perform the role of a leader and working team member appropriately

5. Numeral Analysis Skills, Communication, and Use of Information Technology

5.1 Demonstrate the statistical analysis and its interpretation

5.2 Communicate clearly and effectively to an array of audiences for a range of purposes.

5.3 Use information technology effectively to support the study, research, and efforts to accomplish a specific purpose

Table 2 Relations between the course and the PLOs

Course	PLOs							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
ADPM 642 Health Financing for social health protection 2 (1-2-3) Credits	R	P	R	P	R	R	R	P

Program Learning Outcomes (TQF.2)

PLO1 Exhibit responsibility, discipline, and honesty according to organizational rules, academic and professional ethics, and morality.

PLO2 Explain the interconnection of multidisciplinary knowledge associated with primary health care management.

PLO3 Design research in primary health care management based on systematic process.

PLO4 Defend in significant ways with questions or points of view or controversies about the area of the primary health care system.

PLO5 Interact professionally when working as a team as both leader and member for solving and managing work assigned.

PLO6 Perform statistical data analysis as they support evaluating, planning, and managing the primary health care system.

PLO7 Communicate clearly and effectively to an array of audiences for a range of purposes.

PLO8 Use information technology effectively to support the study, research, and their efforts to accomplish a specific purpose.

Table 3 Relations between CLOs and PLOs

CLOs	PLOs							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CLO1: Describe the main concepts, principles, and objectives of Social Health Protection and linkages with health systems using existing frameworks	√							
CLO2: Describe a country's health situation, particularly its health and Social Health Protection systems		√						
CLO3: Describe the main guiding principles, options, and challenges for revenue collection and risk pooling for health systems and Social Health Protection		√						
CLO4: Discuss the principles and practice of actuarial modeling for health care benefits, including primary health care (PHC) and other health services				√		√	√	
CLO5: Analyze and interpret statistical data with the objective of making assessment and financial projections for primary healthcare, other health services, and Social Health Protection	√				√		√	√

