

Title of Module:

Health Economics

Coordinator(s) / organiser(s):

Dr. Djazuly Chalidyanto, S.KM., M.ARS. (Module Leader)

Teaching Faculty

Title	Name	Qualifications*	Hours contributed
Dr.	Djazuly Chalidyanto	S.KM., M.ARS., Dr.	18.64
Dr.	Widodo Jatim Pudjirahardjo	dr., M.S., M.PH., Dr.PH.	18.64
Dr.	Thinni Nurul Rochmah	Dra., M.Kes., Dr.	18.66
drg.	Tito Yustiawan	drg., M.Kes.	12.16
Mrs.	Maya Saridewi	S.KM., M.Kes.	12.13
Mrs.	Nuzulul Kusuma Putri	S.KM., M.Kes.	13.1

* PhD, Master, 20 years service(in practice) etc. Only provide details for faculty responsible for 25% or more of course load.

Core /elective or optional:	Core: Health Economics (EKH301) Health Financing and Budgeting (MNK103) Elective: Health Insurance (MNS407)
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Number of SKS credits allocated	Student's workload in hours	Contact work hours*	Self-study work hours
7 SKS	317.33	93.33	224

* includes lectures, seminars, face-to-face, assessments

Learning competences / objectives

On successful completion of this module students will be able to:

Health Economics:

1. Develop and present the budgeting estimation
2. Manage the health program based on the financial condition
3. Apply the budgeting process
4. Develop the strategy for determining the budgeting priorities
5. Observe the program's performance
6. Set up a proposal to attract sponsorship and external funding

Health Financing and Budgeting:

1. Define the concepts of budgeting and apply those to health budgeting
2. Explain the budgeting process
3. Analyze and evaluate the appropriateness of the budget
4. Set up the budget plan
5. Define and understand the concepts and the role of the health financing systems

6. Define and understand concept of the health account
7. Compare health financing systems of different countries

Health Insurance:

1. Define and analyze national health insurance policies
2. Define concepts of insurance, health and social insurance
3. Define concepts and techniques of managed and integrated care
4. Define and analyze concepts of payment to the provider (Capita and Diagnostic Related Groups Systems)

Syllabus content. Brief overview of syllabus using bullet points.

Health Economics:

- Definition of economics in healthcare system
- Theory of economics and the economic activities
- The concepts of need, demand and demand elasticity
- Demand of healthcare, utilization of healthcare and supply elasticity
- Measurement of need, demand, and utility in healthcare
- Supply measurement and maximum supply of healthcare
- Concept of production cost and health cost analysis
- Cost benefit analysis and cost effectiveness analysis
- Concept of macro economics

Health Financing and Budgeting:

- Operational budget
- Financial budget
- Budget preparation and controlling
- Performance evaluation
- Concept and controlling of performance based budgeting
- Budgeting of governmental health institutions
- Financing in the health system
- Concept of Health Account (HA)
- Financing system in several countries
- Provincial Health Account (PHA) and District Health Account (DHA)

Health Insurance:

- Concepts of health insurance
- Concepts and techniques of managed and integrated care
- Calculation of premiums
- Diagnostic Related Group (DRG) and Capita payment system

Module level timetable - indicate the timing of the teaching sessions from the upcoming teaching year:

Health Economics: 5th semester

Health Financing and Budgeting: 6th semester

Health Insurance: 7th semester

Pedagogic/teaching methodology:

The module uses student-centered learning method. Scheduled learning includes lectures and seminars in groups for applying problem solving techniques to solve real life issues which are given by lecturer. During lecture in the classroom, the lecturer gives the didactic question and creates a chance for students to deliver their thought about specific case. Students are asked to adapt the critical thinking for solving health problem. Lecturer demonstrates the specific skill and formulates many concepts for improving the students comprehension

Students in the class are divided into groups and each group will get a different topic to discuss and present at each meeting

Independent learning includes hours engaged with reading assignments, self-directed study for quiz preparation and discussion.

Assessments used:

There are three types of examination:

1. Middle examination (30%)
2. Final examination (30%)
3. Soft skills (40%)

Each examination takes 100 and 150 minutes includes essays and case studies. The examination assesses the students' knowledge and understanding and all learning outcomes of the module and students' analyzing skill.

Soft skills are assessed by lecturer and peer group in each meeting, such as:

- a. Basic interpersonal skill
- b. Communication skill
- c. Group skill
- d. Social skill
- e. Problem solving skill

Weeks required and place in academic calendar:	Number of weeks	Week number
Health Economics Weeks beginning 08/2019-11/2019	16	01-16
Health Financing and Budgeting Weeks beginning 02/2020-05/2020	16	17-32
Health Insurance Weeks beginning 08/2020-11/2020	16	01-16