



CD 8.5.1 CURRICULUM DISCIPLINĂ

Redacția: 06

Data: 20.09.2017

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FACULTY OF MEDICINE

STUDY PROGRAM 0912.1 MEDICINE

DEPARTMENT OF MANAGEMENT AND PSYCHOLOGY

APPROVED

at the meeting of the Commission for Quality Assurance and Curriculum Evaluation of the Faculty of Medicine
Protocol Nr. 6 from 13.02.18

Chairman, habilitated doctor of medical sciences, Associate professor

Suman Serghei _____

APPROVED

at the meeting of the Commission of the Faculty of Medicine
Protocol Nr. 4 from 20.09.17

Dean of the Faculty, doctor of medical sciences, Associate professor

Plăcintă Gheorghe _____

APPROVED

at the meeting of the Department of Management and Psychology
Protocol Nr.11 from 14.02.2018

Head of the department, doctor of medical sciences, University professor
Spinei Larisa _____

CURRICULUM

FINANCIAL MANAGEMENT IN THE HEALTH SYSTEMS

Type of course: **Optional**

Chișinău, 2018



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I. PRELIMINARY

Discipline **Financial Management in the Health Systems** is a course of initiating students in the concepts of financial resources of the health care system, finance, cost, expenses, income, investments in typologies, principles, mechanisms of health systems financing. The course is designed to provide to students a general view from a macroeconomic and micro-economic perspective. The course offers process and techniques that better explain the fictitious aspects of the health system. Also included in this course are key themes that contribute to the formation of skills in managing finance, maintaining solvency, the ability to manage (rule) the risks faced by the institution, the system.

Cadrele didactice vor acorda posibilitate studentului de a-și determina capacitățile necesare privind delimitarea resurselor financiare din sectorul privat, de stat, delimita resursele care contribuie la consolidarea sistemului, sanatații.

Teachers will give the possibility to the students to determine their capacities necessary to delimit financial resources in the private, state-owned sector, delimit the resources that contribute to the consolidation of the health system.

Study subjects and procedural resources targeted by **Financial Management in the Health Systems** provide students with real tools for effectively solving problem situations, objective analysis of ideas about sources of income, spending, forms of payment, financial resource allocation directions. Students will feel more confident about their view of the real and prospective situation of the health system in R.M.

Mission of the curriculum (purpose) in professional training

- is to increase the level of knowledge about the classical and modern financial instruments of accumulation of financial resources and their distribution in order to contribute to the improvement of the financing of the health care system in the Republic of Moldova.

- Language of teaching: Romanian.

- Beneficiaries: third year students, Medicine Faculty 1

II. DISCIPLINE ADMINISTRATION

Code of discipline	U.05.A.049		
Name of the discipline	Financial Management in the Health Systems		
Responsible for discipline	Goma Ludmila		
Year	III	Semester	5
Total number of hours, including:	30		
Course	20	Practical / laboratory work	
Seminars		Individual work	10
Evaluation form	C	Number of credits	1

III. TRAINING OBJECTIVES OF THE DISCIPLINE

At the end of the course, the student will be able to:

- *at the level of knowledge and understanding:*

To determine the principles, modalities of financing in Health Systems

To develop the concept of the financial mechanism by applying to the system health care

To justify the forms of payment and allocation of financial resources

Identify sources of funding for the Health system

To correctly interpret income and expenses and calculate the profit

Use the concept of costs, expense, rationality

To determine the importance of budget planning for the manager of the institution

- *at the application level:*

Analyze models of financing health systems and compare them with the native system;

Analyze international and national practices with a purpose to identifying sources of modern funding for the health care system;

Analyze the total expenditure for health care and its structure in the Republic of Moldova;

Apply effectively the methods of economic evaluation



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Analyze the financing needs of the health care system based on the correlation between total health care spending and factors of influence;

To prepare a financial plan

To justify the need to apply modern financial instruments to attract financial resources to the healthcare sector;

- *at the integration level:*

Identify existing opportunities for personal and professional development.

Establish an optimal way to fund the system or organization

Operate with notions as cost, profit, income, accounting evidence in various contexts

To formulate proposals for improving the financing of the health care system in the Republic of Moldova

IV. PREVIOUS CONDITIONS AND REQUIREMENTS

Fundamental knowledge: the basics of economic theory, general management

V. TOPICS AND ORIENTAL DISTRIBUTION OF HOURS

Courses (lectures), practical works / laboratory work / seminars and individual work

Nr. d/o	TEMA	Number of hours		
		Lectures	Practical work	Individual work
1.	Conceptual aspects of Financial Management of Health Systems Modeling the financing algorithm at macroeconomic level	2		
2.	Typology of health systems. Comparative elements	2		
3.	Financing ways of health services.	4		2
4.	Organization of payment and allocation of medical services	2		2
5.	Private medicine and its ethical economic aspects. Financial Management of the health private sector.	2		
6.	The subjects of the medical market. Infrastructure and flow of financial resources. Public-private partnership.	2		
7.	Financial Management of medical institutions. Remuneration	2		2
8.	Mechanisms of economic assessment and estimation of health services	2		2
9.	Financing of the health system in the Republic of Moldova	2		2
Total		20		10

VI. OBJECTIVES AND CONTENT TOPICS

Objectives	Content topics
Theme (chapter) 1. Conceptual aspects of Financial Management in Health Systems. The modeling of the financing algorithm at the macroeconomic level.	
<ul style="list-style-type: none"> • define the essence of financial management, • demonstrate analysis skills of the components of financial management 	<ol style="list-style-type: none"> 1. Development the concept of the health care system. General framework on the performance of health systems 2. Financial Management of Health Systems: principles, fundamentals at macroeconomic level. 3. Governance, regulation and funding structures. 4. Organization of Health Service providers.
Theme (chapter) 2. Typology of health systems. Comparative elements	
<ul style="list-style-type: none"> • to know the types of health systems • define the criteria for choosing a health system • to be familiar with the comparative features of health systems 	<ol style="list-style-type: none"> 1. Functions and objectives of a health system. Criteria for choosing a health system 2. Private insurance system 3. National health system based on central funding 4. The Health Insurance System (Bismarck type)



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Objectives	Content topics
	5. Comparison of performance of health systems in Great Britain, Germany and the United States of America.
Theme (chapter) 3. Ways of Financing Health Services	
<ul style="list-style-type: none">• know how to finance health services• know their advantages and disadvantages	<ol style="list-style-type: none">1. Financing from the state budget;2. Financing through social health insurance;3. Financing by private health insurance;4. Funding by direct payments;5. Additional payments in medical services. Other sources of income in funds to finance health services
Theme (chapter) 4. Organization of payment and allocation of medical services	
<ul style="list-style-type: none">• to argue the importance of organizing the payment and allocation system for medical services• apply the forms of medical service allocation	<ol style="list-style-type: none">1. The main ways of paying for medical services2. Forms of allocation of medical services at the level of primary medicine, ambulatory, emergency medical assistance3. Forms of allocation of medical services at the hospital level
Theme (chapter) 5. Private medicine and its ethical and social aspects. Financial Management of the Private Sector in Health	
<ul style="list-style-type: none">• to define the concept of financial management of the private sector in Health• be aware of the legal and legal aspects of initiating an entrepreneurial activity in the health field	<ol style="list-style-type: none">1. Private medicine and its place in the health system. Managerial, financial, legal issues.2. Entrepreneurship in medicine.3. Technical aspects of the principles of the organization in the private health insurance.4. Public-private partnership in health
Theme (chapter) 6. The subjects of the medical market. Infrastructure and flow of financial resources.	
<ul style="list-style-type: none">• know the specifics of health services• to define the determinants of the demand, the supply of health services.	<ol style="list-style-type: none">1. The market of the health services. Characteristics and imperfections. The specificity of health services2. The elements of the market mechanism: demand, supply of health services. Factors of influence3. Market participants - individuals and legal persons. Marketing and strategy of health service planning
Theme (Chapter) 7. Financial Management of medical institutions. Remuneration	
<ul style="list-style-type: none">• to define the financial management in medical institutions• to know the basics of an accounting balance sheet• to know how to calculate your earnings and income	<ol style="list-style-type: none">1. Financial Management in medical institutions: Components. Performance Management2. Set of financial data for the use of the hospital manager3. Budget, management tool4. Types of Costs. Cost measurement. Accounting elements.5. Components of financial plan
Theme (chapter) 8. Mechanisms of economic evaluation and estimation of health services	
<ul style="list-style-type: none">• to justify the importance of managing financial resources in the health system• to know the techniques of economic evaluation	<ol style="list-style-type: none">1. Determining costs. The rationality2. Techniques of economic evaluation3. Quality management
Theme (chapter) 9. Financing of the health system in the Republic of Moldova	
<ul style="list-style-type: none">• to know the sources of financing of the health system in R.M.• to know the principles of funding and how to allocate financial resources	<ol style="list-style-type: none">1. Organization of the health care system in the Republic of Moldova in order to determine the sources of financing.2. The particularities of financing the health system through compulsory health insurance funds3. Financing the health system through the indicators of public and private funding

VII. PROFESSIONAL COMPETENCES (SPECIFIC (SC) AND TRANSVERSAL (CT)) AND STUDY



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FINALITY

✓ **Professional competencies (specific) (CS)**

- CP5. Use financial management knowledge to explain and interpret specific healthcare algorithms.
- CP6. Defining the concepts, theories, methods and principles regarding financial management regarding the collection, processing, analysis and interpretation of information on the formation of a financing model for the health system in R.M.

✓ **Transversal skills (CT)**

- CT1. Social interaction, assuming roles in the decision-making process for choosing the way of financing for the current health system
- CT2. Developing analytical critical thinking skills by analyzing all financing ways and proposing of an own financing vision for R.M.

✓ **Finalities of study**

Upon completion of the course the student will be able to:

- know the notion of financial management;
- Identify the main ways of collecting financial resources in the Health System;
- to put in evidence the forms of payment and allocation of financial resources;
- appreciate the economic evaluation methods;
- know some aspects of the financial management of the hospital;
- to make the comparison and evaluation of health systems in practice;
- identify the financial data set for the use of the hospital manager;
- develop capacity to analyze the real situation and to propose development perspectives for the Compulsory Insurance System of R.M.

VIII. THE STUDENT'S INDIVIDUAL WORK

Nr.	The expected product	Implementation Strategies	Evaluation criterias	Term of realisation
1.	The argumentative essay, the summaries of the salary systems and the methods of payment	Elaboration of the essay	- to respect the structural and linguistic rigidities in drafting written text; - integration of previous knowledge;	3 week
2.	Portfolio, summary of allocation for all components of the Health system	Elaboration of texts according to the structure and established criteria	- the presentation of the portfolio in time with all the constituent parts	5-th week săptămână
3	Group project	Analysis of financial management on the example of an hospital	Presentation of the project	8-th week
4	Group project	Analyze the performance of health systems	Presentation of the project	9-th week
5	SWOT analysis of mandatory insurance system from R.M.	Evaluating your own business ideas in based on the SWOT analysis	The SWOT method	10-th week

IX. METHODOLOGICAL SUGGESTIONS FOR TEACHING-LEARNING-EVALUATION

• **Teaching and learning methods used**

Exposition, interactive lecture, heuristic conversation, demonstration, problem-solving, brainstorming, group work, individual study, work with manual and scientific text, debate.

Strategies centered on teacher activity and teaching:

- a. Discursive and conversational strategies
- b. Discursive and demonstrative strategies



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Strategies centered on learning activity and interaction teacher - student:

- Strategies based on research and exploration (investigative research)
- Model-based strategies
- Strategies based on individual activity
- Strategies centered on building projects

• **Methods of evaluation** (including an indication of how the final grade is calculated)

Current: front and / or individual control via

- guided discussions
- essay writing
- presentation of the project
- SWOT analysis

Final: Assessment of individual colloquium activities

How to round up the marks at the evaluation steps

Intermediate marks grid (annual average, exam stage's marks)	National scoring system	Echivalent ECTS
1,00-3,00	2	F
3,01-4,99	4	FX
5,00	5	E
5,01-5,50	5,5	
5,51-6,0	6	
6,01-6,50	6,5	D
6,51-7,00	7	
7,01-7,50	7,5	C
7,51-8,00	8	
8,01-8,50	8,5	B
8,51-8,00	9	
9,01-9,50	9,5	A
9,51-10,0	10	

The average annual grade and grades of all the final examination (computer assisted, test, oral) - all it will be expressed in numbers according to the scoring scale (according to the table), and the obtained final mark will be expressed in number with two decimal digits, and it will be passed to the notes book. *Failure to attend the examination without good reason is recorded as "absent" and is equivalent to the 0 (zero) rating. The student is entitled to 2 repeated claims of the unsuccessful exam.*

X. RECOMMENDED BIBLIOGRAPHY:

A. *Obligatory:*

- Ețco C., Goma L., Reabov E., Marin S., Globa N. Economia ocrotirii sănătății. (Manual), Ed. „Epigraf”, Chișinău, 2000, 379 p.
- Ețco C., Reabova E., Ciobanu M., Goma L., Marin S., Russu Gh., Sava V. Managementul serviciilor în sectorul asistenței medicale primare: cheltuieli, eficiență, calitate (metodologia și metodică). Îndrumar metodic. Chișinău: f/l. 2000, 43 p.
- Ețco C. Management în Sistemul de Sănătate. (Manual), Editura Epigraf S.R.L., Chișinău, 2006, 862 p..

B. *Additional*

- Barbăroșie A., Curocichin Gn., Ețco C., Goma L., și alții. Finanțarea în contextul asigurării calității serviciilor medicale. Chișinău, 2007, 211 p.
- Tintiuc D., Grejdeanu T., Spinei L., Moroșanu M., Palanciuc M., Onoi L., GomaL. Auditul intern și managementul financiar în Sistemul de sănătate . Chișinău, ”T-PAR”, SRL, 2009, -â-204 p.