

Course Title	Health Economics in the Context of Health Services and Systems: Global Perspectives				
Course Code	MPH-523				
Course Type	Required				
Level	2 <sup>nd</sup> Cycle				
Year / Semester	1 / 2				
Teacher's Name	Dr Kostas Athanasakis Dr George Samoutis				
ECTS	10	Lectures	13	Interactive learning activities	18
Course Purpose and Objectives	<p>The main objectives of the course are to:</p> <ul style="list-style-type: none"> <li>• Demonstrate deep understanding of the major principles of health economics and analyse the different methods for pricing and reimbursing health care services, assessing health service needs and prioritizing in the context of justice and equity in health care provision</li> <li>• Demonstrate deep understanding of methods for assessing utilization and performance of health services and healthcare, as well as economic appraisal (incl. cost-effectiveness, cost-utility, and cost-benefit analysis) and apply these for designing and evaluating cost-effective health services and systems, as well as clinical audits.</li> <li>• Describe and critically evaluate different healthcare systems around the world highlighting the main characteristics, strengths, and limitations of each and use this experience for designing effective and efficient health services and systems.</li> </ul>				
Learning Outcomes	<p>After completion of the course students are expected to be able to:</p> <ol style="list-style-type: none"> <li>1. Demonstrate understanding and analyse the key definitions and ideas that outline Health Economics and describe the importance of the discipline within the application of the “fundamental economic problem” in health, i.e. the asymmetry of resources vs. healthcare needs</li> <li>2. Describe the concept of health insurance and distinguish between social insurance and voluntary private insurance.</li> <li>3. Demonstrate deep understanding on the motives behind government intervention in healthcare markets as well as the means and methods through which this intervention takes place</li> <li>4. Demonstrate deep understanding of the different methods of financing healthcare services in the context of health systems.</li> <li>5. Distinguish between the terms of “cost”, “price”, “value” and “reimbursement”</li> <li>6. Outline the rationale behind economic evaluation in healthcare</li> <li>7. Distinguish between the different types of economic evaluations (cost-minimization, cost-effectiveness, cost-utility, and cost-benefit analysis)</li> <li>8. Critically evaluate the application of an economic evaluation for a</li> </ol>				

	<p>healthcare intervention.</p> <ol style="list-style-type: none"><li>9. Recognize the basic steps of an economic evaluation (cost-effectiveness/cost utility analysis) for a medication.</li><li>10. Identify the key sources of information for an economic evaluation of pharmaceuticals.</li><li>11. Demonstrate understandings of the concept of uncertainty identify the key reasons behind uncertainty and demonstrate methods through which the uncertainty issue within an economic evaluation can be addressed.</li><li>12. Demonstrate understanding of the potential uses and applications of the analytical tools of health economics in the field of public health.</li><li>13. Demonstrate understanding of the role of economic analysis in the evaluation of preventive interventions and policies</li><li>14. Argue on the usefulness of economic evidence towards supporting the implementation of preventive interventions</li><li>15. Describe the mechanisms that motivate people towards or against “healthy choices”</li><li>16. Provide examples of behavioural interventions that could be adopted as public health policies</li><li>17. Describe in detail the mechanisms through which the health status of the population affects the growth of the economy</li><li>18. Describe in detail the effects of economic growth on population health and highlight the difference of these effects on the various population groups, based on their socioeconomic status</li><li>19. Describe in detail the characteristics of insurance-based (i.e. Bismarck-type) health systems, and identify the key examples (countries) of application</li><li>20. Critically evaluate the strengths and weaknesses of Bismarck-type systems.</li><li>21. Describe in detail the characteristics of taxation-based (i.e. Beveridge-type) health systems, and identify the key examples (countries) of application</li><li>22. Critically evaluate the strengths and weaknesses of Beveridge-type systems.</li><li>23. Comparatively assess the performance of insurance type vs. taxation type systems critically evaluate the strengths and weaknesses of each system.</li><li>24. Discuss the need for universal coverage and the role of mixed methods of fund pooling</li><li>25. Discuss the issues pertaining the ordering of and preferences for resource allocation states in healthcare within a social welfare function</li><li>26. Demonstrate deep understanding on the methods and uses of Multiple Criteria Decision Analysis in healthcare.</li></ol>
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Prerequisites	MPH-511	Required	None																														
Course Content	<ol style="list-style-type: none"> <li>1. Introduction to Health Economics</li> <li>2. Healthcare insurance and the government's role in healthcare</li> <li>3. Financing healthcare: the concepts of pricing and reimbursement</li> <li>4. Economic evaluation in healthcare: methods</li> <li>5. Economic evaluation of healthcare interventions: case study - pharmaceuticals</li> <li>6. Health Economics and Public Health</li> <li>7. The economics of prevention</li> <li>8. Behavioural economics, health economics and public health</li> <li>9. Health and Economic Development</li> <li>10. Healthcare systems around the world I: Bismarck-type systems</li> <li>11. Healthcare systems around the world II: Beveridge-type systems</li> <li>12. Healthcare systems around the world III: mixed methods of fund pooling</li> <li>13. Resource allocation in healthcare: incorporating societal value judgments in the decision-making process</li> </ol>																																
Teaching Methodology	This programme is delivered via distance learning (online) and includes recorded lectures, interactive online tutorials (Webinars) and discussion forums, as well as online exercises and other activities.																																
Bibliography	<p><b>Required Textbooks / Reading:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Title</th> <th>Author(s)</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>The economics of health and health care</td> <td>Folland S, Goodman AC and Stano M.</td> <td>Prentice Hall</td> <td>1997</td> <td>0-13-565987-6</td> </tr> <tr> <td>World Health Systems: Challenges and Perspectives, Second Edition (2<sup>nd</sup> ed.)</td> <td>Fried BJ, Gaydos LM</td> <td>Health Administration Press</td> <td>2012</td> <td>978-1567934205</td> </tr> <tr> <td>Methods for the Economic Evaluation of Health Care Programs</td> <td>Drummond ME, O' Brien B, Stoddart GL, Torrance GW.</td> <td>Oxford Medical Publications</td> <td>1997</td> <td>0-19-262774-0</td> </tr> </tbody> </table> <p><b>Recommended Textbooks / Reading:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Title</th> <th>Author(s)</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>Mastering</td> <td>Lewis G,</td> <td>CRC Press</td> <td>2014</td> <td>978-</td> </tr> </tbody> </table>			Title	Author(s)	Publisher	Year	ISBN	The economics of health and health care	Folland S, Goodman AC and Stano M.	Prentice Hall	1997	0-13-565987-6	World Health Systems: Challenges and Perspectives, Second Edition (2 <sup>nd</sup> ed.)	Fried BJ, Gaydos LM	Health Administration Press	2012	978-1567934205	Methods for the Economic Evaluation of Health Care Programs	Drummond ME, O' Brien B, Stoddart GL, Torrance GW.	Oxford Medical Publications	1997	0-19-262774-0	Title	Author(s)	Publisher	Year	ISBN	Mastering	Lewis G,	CRC Press	2014	978-
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	Public Health: A Postgraduate Guide to Examinations and Revalidation, (2 <sup>nd</sup> ed.)	Sheringham J, Bernal JL, Crayford T			144415 2692
	Distributing health care: economic and ethical issues	Dolan P and Olsen JA	Oxford University Press	2002	0-19-263253 -1
	Economic Analysis in Health Care	Morris, S, Devlin, N, Parkin D.	Wiley	2007	978-0-470728 499
	Essentials Of Health Care Finance (8 <sup>th</sup> ed.)	Cleverley OW, Cleverley OJ	Jones & Bartlett Learning	2017	978-128409 4633
	Healthcare Finance: An Introduction to Accounting and Financial Management (5 <sup>th</sup> ed.)	Gapenski LC	Health Administration Press	2011	978-156793 4250
	Cost-Effectiveness in Health and Medicine	Gold MR, Siegel JE, Russell LB, Weinstein MC	Oxford University Press	1996	0-19-510824 -8
	Economics for Healthcare Managers, Third Edition (3 <sup>rd</sup> ed.)	Lee, HR	Health Administration Press	2014	978-156793 6766
	Comparative Health Systems: Global Perspectives (1 Pap/Psc ed.)	Johnson JA, Carleen S.	Jones & Bartlett Learning	2011	978-144962 5610
Assessment	Online quiz (formative) Coursework (1 health economic and services assignment, 1 mini-project on				

	the design of a cost effective health system) - 40% Final Exam -60%
Language	English