

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 Raoul Hecker Dr George Samoutis				
ECTS	10	Lectures	13	Interactive learning activities	18
Course Purpose and Objectives	<p>The main objectives of the course are to enable graduates to:</p> <ul style="list-style-type: none"> <li>• Apply the major principles of health economics to analyse the different methods for pricing and reimbursing health care services, to assess health service needs and to prioritize resources in the context of justice and equity in health care provision</li> <li>• Apply methods for assessing utilization and performance of health services and healthcare, as well as methods for economic appraisal (incl. cost-effectiveness, cost-utility, and cost-benefit analysis) to design and evaluate cost-effective health services and systems and to perform clinical audits.</li> <li>• Critically evaluate different healthcare systems around the world in terms of 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. Analyse the key definitions and ideas that outline Health Economics and evaluate 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. Relate and contrast different types of health insurance, including social insurance and voluntary private insurance.</li> <li>3. Critically evaluate the motives behind government intervention in healthcare markets as well as the means and methods through which this intervention takes place.</li> <li>4. Critically evaluate the different methods of financing healthcare services in the context of health systems.</li> <li>5. Analyse the terms of “cost”, “price”, “value” and “reimbursement”</li> <li>6. Justify the rationale behind economic evaluation in healthcare and appropriately apply the different types of economic evaluations (cost-minimization, cost-effectiveness, cost-utility, and cost-benefit analysis) for a healthcare intervention.</li> </ol>				

	<ol style="list-style-type: none"> <li>7. Relate the basic steps of an economic evaluation (cost-effectiveness/cost utility analysis) for pharmaceuticals to key sources of information.</li> <li>8. Evaluate the key reasons behind uncertainty and appraise methods through which the uncertainty issue within an economic evaluation can be addressed.</li> <li>9. Apply analytical tools of health economics in the field of public health.</li> <li>10. Justify the role of economic analysis in the evaluation of preventive interventions and policies and argue on the usefulness of economic evidence towards supporting the implementation of preventive interventions.</li> <li>11. Analyse the mechanisms that motivate people towards or against “healthy choices” and provide examples of behavioural interventions that could be adopted as public health policies.</li> <li>12. Understand the concept of Mental Health as an intangible good and its difficulties to evaluate the benefit of any measures taken.</li> <li>13. Assess the mechanisms through which the health status of the population affects the growth of the economy.</li> <li>14. Evaluate the effects of economic growth on population health and appraise the difference of these effects on the various population groups, based on their socioeconomic status.</li> <li>15. Define the wellbeing in the shed of the Ottawa Charta’s concept of “Salutogenesis”.</li> <li>16. Critically evaluate the strengths and weaknesses of Bismarck-type systems and identify the key examples (countries) of application.</li> <li>17. Critically evaluate the strengths and weaknesses of Beveridge-type systems and identify the key examples (countries) of application.</li> <li>18. Comparatively assess the performance of insurance type vs. taxation type systems and critically evaluate the strengths and weaknesses of each system.</li> <li>19. Justify the need for universal coverage and the role of mixed methods of fund pooling.</li> <li>20. Debate the issues pertaining the ordering of and preferences for resource allocation states in healthcare within a social welfare function</li> <li>21. Evaluate the methods and applications of Multiple Criteria Decision Analysis in healthcare.</li> </ol>		
Prerequisites	None	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> </ol>		

	<p>5. Economic evaluation of healthcare interventions: case study - pharmaceuticals</p> <p>6. Health Economics and Public Health</p> <p>7. The economics of prevention</p> <p>8. Behavioural economics, health economics and public health</p> <p>9. Health and Economic Development</p> <p>10. Healthcare systems around the world I: Bismarck-type systems</p> <p>11. Healthcare systems around the world II: Beveridge-type systems</p> <p>12. Healthcare systems around the world III: mixed methods of fund pooling</p> <p>13. Resource allocation in healthcare: incorporating societal value judgments in the decision-making process</p>																																			
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"> <thead> <tr> <th>Title</th> <th>Author(s)</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <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> <tr> <td>Economic Analysis in Health Care</td> <td>Morris S, Devlin N, Parkin D, Spencer A (2<sup>nd</sup> ed.)</td> <td>Chichester: John Wiley &amp; Sons</td> <td>2012</td> <td>047001685X</td> </tr> </tbody> </table> <p><b>Recommended Textbooks / Reading:</b></p> <table border="1"> <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>Mastering Public Health: A Postgraduate</td> <td>Lewis G, Sheringham J,</td> <td>CRC Press</td> <td>2014</td> <td>978-1444152692</td> </tr> </tbody> </table>	Title	Author(s)	Publisher	Year	ISBN	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	Economic Analysis in Health Care	Morris S, Devlin N, Parkin D, Spencer A (2 <sup>nd</sup> ed.)	Chichester: John Wiley & Sons	2012	047001685X	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	Mastering Public Health: A Postgraduate	Lewis G, Sheringham J,	CRC Press	2014	978-1444152692
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	Guide to Examinations and Revalidation, (2 <sup>nd</sup> ed.)	Bernal JL, Crayford T			
	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	978-0-470728499
	Essentials Of Health Care Finance (8 <sup>th</sup> ed.)	Cleverley OW, Cleverley OJ	Jones & Bartlett Learning	2017	978-1284094633
	Healthcare Finance: An Introduction to Accounting and Financial Management (5 <sup>th</sup> ed.)	Gapenski LC	Health Administration Press	2011	978-1567934250
	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	978-1567936766
	Comparative Health Systems: Global Perspectives (1 Pap/Psc ed.)	Johnson JA, Carleen S.	Jones & Bartlett Learning	2011	978-1449625610
	Hybrid Healthcare	Al-Razouki, M Smith, S. (Ed.)	Springer	2022	978-3-031-

					04835-7
Assessment	Online quiz (formative) Coursework (1 Essay on the field of Health Economics and Public Health) - 25% Mandatory interactive activities and webinar attendance/participation – 15% Final Exam -60%				
Language	English				