

Health Economics Research Centre, University of Oxford  
Applied Methods of Cost-Effectiveness Analysis course  
19-23<sup>rd</sup> April 2021 and 29<sup>th</sup> April 2021

## COURSE PROGRAMME

Each module to include break-out room sessions and regular breaks.

Monday 19 April	INTRODUCTION	TIMINGS
Led by: <b>Dr. James Buchanan</b>	<ul style="list-style-type: none"> <li>Course Overview and Introduction to HERC</li> <li>Software Orientation</li> </ul>	<b>13:00-16:00 hrs</b>
Live guest speaker: <b>Emma McIntosh, Professor of Health Economics, University of Glasgow</b>	<p><i>"The prevalence, quality of life, economic and societal impact of arthritis in Tanzania: initial findings"</i></p> <p>Followed by concluding Q&amp;A's</p>	<b>16:00-17:00 hrs</b>
Tuesday 20 April	HEALTH OUTCOMES	TIMINGS
Led by: <b>Professor Philip Clarke</b>	<ul style="list-style-type: none"> <li>Estimating life expectancy</li> <li>Life tables</li> <li>Survival analysis</li> <li>Quality of life measurement and valuation</li> <li>Q&amp;A's</li> </ul>	<b>13:00-18:00 hrs</b>
Wednesday 21 April	RESOURCE USE & COSTS	TIMINGS
Led by: <b>Dr. Paolo Candio</b>	<ul style="list-style-type: none"> <li>Describing cost data</li> <li>Testing for cost differences</li> <li>Missing and censored cost data</li> <li>Event based cost analysis</li> <li>Q&amp;A's</li> </ul>	<b>13:00-18:00 hrs</b>
Thursday 22 April	DECISION ANALYSIS AND MODELLING	TIMINGS
Led by: <b>Dr. Claire Williams</b>	<ul style="list-style-type: none"> <li>Role of modelling</li> <li>Decision trees</li> <li>Introducing Markov models</li> <li>Q&amp;A's</li> </ul>	<b>13:00-18:00 hrs</b>
Friday 23 April	REPORTING AND PRESENTING COST-EFFECTIVENESS RESULTS	TIMINGS
Led by: <b>Associate Professor Ramon Luengo- Fernandez</b>	<ul style="list-style-type: none"> <li>Bootstrapping</li> <li>Displaying results on the CE plane</li> <li>Confidence intervals for CE ratios</li> <li>Cost-effectiveness acceptability curves</li> <li>The net benefit approach</li> </ul>	<b>13:00-17:00 hrs</b>
Thursday 29 April	WRAP-UP SESSION	TIMINGS
Led by: <b>Dr. James Buchanan Dr. Rositsa Koleva- Kolarova Dr. Matthew Little Jack Pollard</b>	<ul style="list-style-type: none"> <li>Opportunity to complete exercises from earlier sessions with tutor support</li> <li>Q&amp;A session</li> </ul>	<b>13:00-15:00 hrs</b>