

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

## DRAFT COURSE PROGRAMME

<b>Monday 19 April</b>	<b>INTRODUCTION</b>	<b>TIMINGS</b>
	<ul style="list-style-type: none"> <li>• <b>Software Check (OPTIONAL)</b></li> </ul>	<b>12 noon</b>
Led by: <b>tbc</b>	<ul style="list-style-type: none"> <li>• Course Overview and Introduction to HERC</li> <li>• Software Orientation</li> <li>• <b>Live Guest Speaker</b> – tbc 16:00 hrs</li> <li>• Q&amp;A's</li> </ul>	13:00-18:00 hrs  To include three 20 minute breaks in-between  Exercises via break-out rooms
<b>Tuesday 20 April</b>	<b>HEALTH OUTCOMES</b>	<b>TIMINGS</b>
Led by: <b>tbc</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>	13:00-18:00 hrs  To include three 20 minute breaks in-between  Exercises via break-out rooms
<b>Wednesday 21 April</b>	<b>RESOURCE USE &amp; COSTS</b>	<b>TIMINGS</b>
Led by: <b>tbc</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>	13:00-18:00 hrs  To include three 20 minute breaks in-between  Exercises via break-out rooms
<b>Thursday 22 April</b>	<b>DECISION ANALYSIS AND MODELLING</b>	<b>TIMINGS</b>
Led by: <b>tbc</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>	13:00-18:00 hrs  To include three 20 minute breaks in-between  Exercises via break-out rooms
<b>Friday 23 April</b>	<b>REPORTING AND PRESENTING COST-EFFECTIVENESS RESULTS</b>	<b>TIMINGS</b>
Led by: <b>tbc</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>	13:00-17:00 hrs  To include three 15 minute breaks in-between  Exercises via break-out rooms