**Course outline**

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| **Topic** | **Duration** | **End** |  |
| **Objective & Expectations** | 5 min | 6.05 | JJ |
| **Introduction** | 5 min | 6.10 | JJ |
| **(Basic) model taxonomy** | 8 min | 6.18 | JJ |
| **Simple Markov cohort model** | 25 min | 6.45 | JJ |
| ***Exercise 1: Simple Markov cohort model*** | *15 min*  *(10 min practice, 5 min answer)* | *7.00* | JJ |
| **Simple Markov cohort model – Incorporating PSA** | 20 min | 7.20 | JJ |
| ***Exercise 2: Incorporating PSA*** | *10 min*  *(5 min practice, 5 min answer)* | *7.30* | JJ |
| **Break** | 5 min | 7.35 |  |
| **Simple Markov cohort model with hesim** | 20 min | 7.55 | DI |
| ***Exercise 3: Simple Markov cohort model with hesim*** | *15 min*  *(10 min practice, 5 min answer)* | *8.10* | DI |
| **Semi-Markov multi-state model** | 25 min | 8.35 | DI |
| ***Exercise 4: Semi-Markov multi-state model*** | *5 min practice* | 8.40 | DI |
| **Cost-effectiveness analysis** | 10 min | 8.50 | DI |
| ***Demonstration*** | *1 min* | *8.51* | DI |
| **Summary** | 9 min | 9.00 | DI |