

Advanced Epidemiological Methods Course – Nov 18-21, 2025
Fletcher Wellness Hotel – Leiden, The Netherlands

Tuesday 18 November 2025

13.00-13.30	Coffee, lunch and welcome
13.30-13.40	Introduction to the course
13.40-14.55	Causality, an introduction
14.45-15.00	Break
15.00-16.00	Data and models
16.00-17.30	Estimands & Target trial emulation – part 1
18.00-19.30	Dinner
19.30-20.30	Estimands & Target trial emulation – part 2

Wednesday 19 November 2025

8.30-9.00	Coffee and welcome
9.00-10.00	Propensity scores: theory
10.00-10.15	Break
10.15-11.30	Propensity scores: computer practical
11.30-12.30	Negative controls
12.30-13.30	Lunch
13.30-14.30	Mediation analysis
14.30-15.30	Instrumental variable & Mendelian randomisation: theory
15.30-16.00	Break
16.00-17.30	Exercise Mendelian randomization
18.00-19.30	Dinner
19.30-21.00	Quantitative bias analysis

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Thursday 20 November 2025

08.30-9.00	Coffee and welcome
9.00-9.45	Immortal time bias
9.45-11.00	Exercise immortal time bias
11.00-11.15	Break
11.15-12.30	Measurement error: theory
12.30-13.30	Lunch
13.30-14.30	Measurement error: computer practical
14.30-15.30	Missing data: theory
15.30-16.00	Break
16.00-17.30	Missing data: computer practical
18.00-19.30	Dinner
19.30-21.00	Time-dependent variables

Friday 21 November 2025

8.30-9.00	Coffee and welcome
9.00-10.30	Infectious disease epidemiology – part 1
10.30-10.45	Break
10.45-12.15	Infectious disease epidemiology – part 2
12.15	Closing remarks
12.30	Packed lunch hand out