

Master of Public Health - Semester 3 (2021-2022)
203 Module Advanced Core Epidemiology Program
 Coordinator: Judith Mueller, EHESP

Date: August 31 - September 28, 2021
 Location: Amphitheatre EHESP, 20 avenue George Sand, La Plaine St Denis
 This is a schedule for onsite teaching; it can be modified if online classes are required.

Tuesday, August 31	Tuesday, September 7	Tuesday, September 14	Tuesday, September 21	Tuesday, September 28
9.00h-10.30h Lecture 1: Introduction - Measures of frequency and association - Interpretation of statistical significance Judith Mueller 10.30h-12.00h Lab 1	9.00h-10.30h Lecture 3: Study design and biases Florence Bodeau-Livinec 10.30h-11.30h Lab 3 11.30h-12.00h Q&A	9.00h-10.30h Lecture 5: Validity and strategies to control confounding Judith Mueller 10.30h-11.30h Lab 5 11.30h-12.00h Q&A	9.00h-10.30h Lecture 7: Clinical trials Jean-Philippe Régnaux 10.30h-11.30h Lab 9 11.30h-12.00h Q&A	9.00h-10.30h Lecture 9: Introduction to decision analysis Judith Mueller 10.30h-11.30h Lab 7 11.30h-12.00h Q&A
12.00h : Lunch	12h00 : Lunch	12h00 : Lunch	12h00 : Lunch	12h00 : Lunch
13.00h-13.30h: Q&A Lecturer	13.00h-13.30h: Q&A Lecturer	13.00h-13.30h: Q&A Lecturer	13.00h-13.30h: Q&A Lecturer	13.00h-13.30h: Q&A Lecturer
13.30h-15.00h Lecture 2: Causal inference Emilie Council 14.30h-16.00h Lab 2 (case study)	13.30h-15.00h Lecture 4: Diagnostic tests Judith Mueller 14.30h-16.00h Lab 4	13.30h-15.00h Lecture 6: Ecological studies Cindy Padilla 14.30h-16.00h Lab 6	13.30h-15.00h Lecture 8: Metaanalysis Jean-Philippe Régnaux 14.30h-16.00h Lab 8	13.30h-15.00h Lecture 10: Outlook on advanced issues Judith Mueller 15.00h-16.00h Q&A Module Wrap-up and Exam preparation Judith Mueller

<u>To do before next session:</u> Homework 1 on Text and online quiz (graded) Read slides for lectures 3,4 Read text book on content of lectures 3,4	<u>To do before next session:</u> Homework 2 on Text and online quiz (graded) Read slides for lectures 5,6 Read text book on content of lectures 5,6	<u>To do before next session:</u> Homework 3 on Text and online quiz (graded) Read slides for lectures 7,8 Read text book on content of lectures 7,8	<u>To do before next session:</u> Homework 4 on Text and online quiz (graded) Read slides for lecture 9 Read text book on content of lecture 9	After this last session: Homework 5 on Text and online quiz (graded)
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Logistics:

- Lecture slides and lab material (questions + answers) uploaded on REAL 1 week before the class => students can prepare in their own pace
- Homeworks consist of two steps: First, answer the questions on a Text document by showing all formulas and submit as a PDF via REAL. Second, do the online quiz on REAL, to obtain your homework grade.