

Course 4FH099 – Systematic Review and Meta-Analysis
3.0 credits, October 30 – November 12, 2025

Course week 1	Thursday Oct 30 <i>Eugeniahemmet</i>	Friday Oct 31 <i>Work from home</i>
09:00 – 10:20	Lecture: Introduction to the course and to Systematic Reviews and Meta-Analyses (SR/MA)* <i>Elizabeth Arkema</i>	‡ HOMework: - Do readings (see list below) and do reading comprehension assignment - Journal Club (JC) assignment - Watch quality lecture videos
10:20 – 10:30	Break	
10:30 – 12:00	Lecture: Basics of SR/MA* <i>Elizabeth Arkema</i>	Lecture: Quality Assessment, reporting results, evaluating quality of SR/MA (AMSTAR) <i>Pre-recorded – watch online</i>
	Discuss hypothesis for protocols in groups	
12:00 – 13:00	Break	
13:00 – 14:30	† Workshop: Systematic Literature Searching <i>KI Librarians</i> <i>Room: Richard Doll, EH</i> <i>(note: this workshop is scheduled until 15:30)</i>	‡ Read for Monday: - JC Article & AMSTAR checklist - Work on JC assignment - KIB “Systematic Reviews” webpage Gurevich et al - PRISMA article and checklist - Borenstein ch 10-13 & 15-16
14:30 – 16:00	‡ Develop own hypothesis <i>Individual study Familiarize yourself with the protocol template.</i> Complete course evaluation for previous course	‡ PREPARE FOR FIRST ASSIGNMENT DUE MONDAY 11:59

*Attendance is mandatory. If you are unable to attend you must inform Elizabeth Arkema.

‡Time set aside to read, study and work on your own

Changes in the schedule can occur within 2 weeks before the course

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Course week 2	Monday Nov 3	Tuesday Nov 4	Wednesday Nov 5	Thursday Nov 6	Friday Nov 7
09:00 – 10:20	Lecture: Statistical Analysis	Lecture: Sensitivity analyses & Subgroup Analyses		<i>Book a time to meet with Elizabeth (Zoom)</i>	‡Prepare study protocol <i>Individual study</i>
10:20 – 10:30	Break				
10.30 – 12:00	Lecture: Statistical Analysis, (cont.)	†Computer lab: using STATA to perform a meta-analysis		Lecture: Limitations of SR/MA <i>Online</i>	
12:00 – 13:00	Break				
13:00 – 14:30	<i>SUBMIT READING ASSIGNMENT, JC ASSIGNMENT & RESEARCH QUESTION BY MONDAY 11:59PM</i>	*Journal club <i>Discussion in groups</i>	Discuss example protocols & own protocol <i>Discussion in groups</i>	Guest Lecture	
14:30 – 16:00	‡Start drafting protocol <i>Individual study</i>	‡Readings for tomorrow: - Read example protocols - Grade protocols ‡Continue drafting protocol <i>Individual study</i>	‡Read for tomorrow: - Borenstein ch 40, 41, 43 ‡Continue drafting protocol <i>Individual study</i>	‡Continue drafting protocol <i>Individual study</i>	

†Bring your laptop

‡Time set aside to read, study and work on your own

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Course week 3	Monday Nov 10 Work from home	Tuesday Nov 11	Wednesday Nov 12 Work from home
09:00 – 12:00	‡Prepare study protocol <i>Individual study</i>	‡Read all protocols in your group, prepare peer review for your assigned protocol by 13:00 <i>Individual study</i>	‡Finalize study protocol incorporating feedback from the protocol discussion/peer review
12:00 – 13:00			
13:00 – 16:00	<i>SUBMIT DRAFT PROTOCOL BY 2:00 PM</i> Receive peer protocol to review by 15:00 ‡Read all protocols in your group, prepare peer review for your assigned protocol <i>Individual study</i>	13-16:00 Protocol Discussion and Peer Review <i>Discussion in groups</i>	<i>SUBMIT FINAL PROTOCOL BY 11:59 PM</i>

‡Time set aside to read, study and work on your own

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