

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> <i>Room: Richard Doll, Eugeniahemmet</i>	‡ HOMEWORK: - Do readings (see list below) and do reading comprehension assignment - Journal Club (JC) assignment - Watch quality lecture videos
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		‡ Read for Tuesday: - JC Article & AMSTAR checklist - Work on JC assignment due Monday - 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 <i>Karolinska Library</i>	Tuesday Nov 4 <i>Berzelius</i>	Wednesday Nov 5 <i>Berzelius</i>	Thursday Nov 6 <i>Berzelius</i>	Friday Nov 7 <i>Work from home, online</i>
09:00 – 10:20	10:00 AM – 12:00 PM † Workshop: Systematic Literature Searching <i>Ingrid Andersson, Andreas Jacobson</i> <i>Room: Synapsen</i>	Lecture: Statistical Analysis <i>Anna-Maria Lampousi</i> <i>Room: Rolf Bergin</i>	Lecture: Sensitivity analyses & Subgroup Analyses <i>Elizabeth Arkema</i> <i>Room: Rolf Bergin</i>		Example SR/MA <i>Anna-Maria Lampousi (Zoom)</i>
10.30 – 12:00			‡ Computer lab: using R to perform a meta-analysis <i>Ngoc Nguyen</i> <i>Room: Rolf Bergin</i>		
12:00 –13:00	Break				
13:00 – 14:30		*Journal club <i>Discussion in groups</i> <i>BZ-418, BZ-420, BZ-422, BZ-601</i>		Discuss example protocols & own protocol <i>Discussion in groups</i> <i>BZ-416, BZ-418, BZ-420</i>	‡ Continue drafting protocol <i>Individual study</i>
14:30 – 16:00	SUBMIT READING ASSIGNMENT, JC ASSIGNMENT & RESEARCH QUESTION BY 11:59PM ‡ Start drafting protocol <i>Individual study</i>	‡ Continue drafting protocol <i>Individual study</i>	‡ Readings for tomorrow: - Read example protocols - Grade protocols ‡ Continue drafting protocol <i>Individual study</i>	‡ Continue drafting protocol <i>Individual study</i>	Office hours: Book a time to meet with Elizabeth (Zoom), 14:15-16:30
					‡ Continue drafting protocol ‡ Read for Monday: - Borenstein ch 40, 41, 43

†Bring your laptop

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Course week 3	Monday Nov 10 <i>Work from home</i>	Tuesday Nov 11 <i>Berzelius</i>	Wednesday Nov 12 <i>Work from home</i>
09:00 – 12:00	Lecture: Limitations of SR/MA <i>Elizabeth Arkema (Zoom)</i> ‡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 15:30 PM</i> Receive peer protocol to review by 16:00 ‡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>BZ-416, BZ-418, BZ-420, BZ-422</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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