

Course 4FH099 – Systematic Review and Meta-Analysis
3.0 credits, October 31 – November 13, 2024

Course week 1	Thursday Oct 31 <i>Eugeniahemmet</i>	Friday Nov 1 <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 (EH)</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> <i>Room: Richard Doll, EH</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 15:00)</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.

EH Eugeniahemmet, Karolinska Hospital Campus;

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

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

Course 4FH099 – Systematic Review and Meta-Analysis
3.0 credits, October 31 – November 13, 2024

Course week 2	Monday Nov 4 <i>MEB</i>	Tuesday Nov 5 <i>Berzelius</i>	Wednesday Nov 6 <i>Berzelius</i>	Thursday Nov 7 <i>Work from home</i>	Friday Nov 8 <i>Work from home</i>
09:00 – 10:20	Lecture: Statistical Analysis <i>Alessio Crippa</i> <i>Room: Atrium, MEB</i>	Lecture: Sensitivity analyses & Subgroup Analyses <i>Elizabeth Arkema</i> <i>Room: Rolf Bergin</i>		<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.) <i>Alessio Crippa</i>	† Computer lab: using STATA to perform a meta-analysis <i>Ngoc Nguyen</i> <i>Room: Rolf Bergin</i>		Lecture: Limitations of SR/MA <i>Elizabeth Arkema</i> <i>Online</i>	
12:00 – 13:00	Break				
13:00 – 14:30	SUBMIT READING ASSIGNMENT, JC ASSIGNMENT & RESEARCH QUESTION BY MONDAY 11:59PM	*Journal club <i>Discussion in groups</i> 1. BZ-416 2. BZ-418 3. BZ-420	Discuss example protocols & own protocol <i>Discussion in groups</i> 1. BZ-416 2. BZ-418		
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

MEB: Nobels väg 12B, at the left of the meb entrance; BZ Berzelius (KIB Library, 4th floor) Karolinska Institute Campus

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

Course 4FH099 – Systematic Review and Meta-Analysis
3.0 credits, October 31 – November 13, 2024

Course week 3	Monday Nov 11 Work from home	Tuesday Nov 12 BZ	Wednesday Nov 13 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> 1. BZ-416 2. BZ-418 3. BZ-420	<i>SUBMIT FINAL PROTOCOL BY 11:59 PM</i>

‡Time set aside to read, study and work on your own
 BZ: Berzelius, located in the KI Library, Berzelius, 4th floor.

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