

**Course 4FH099 – Systematic Review and Meta-Analysis**  
**3.0 credits, October 27 – November 9, 2022**

Course week 1	Thursday Oct 27	Friday Oct 28
09:00 – 10:20	<b>Lecture: Introduction to the course and to Systematic Reviews and Meta-Analyses (SR/MA)*</b> <i>Elizabeth Arkema</i> <i>Room: Gunnar Höglund</i>	<b>Lecture: Statistical Analysis</b> <i>Alessio Crippa</i> <i>Room: Gunnar Höglund</i>
10:20 – 10:30	<b>Break</b>	
10:30 – 12:00	<b>Lecture: Basics of SR/MA*</b> <i>Elizabeth Arkema</i> <i>Room: Gunnar Höglund</i>	<b>Lecture: Heterogeneity, validity (publication bias)</b> <i>Alessio Crippa</i> <i>Room: Gunnar Höglund</i>
	<b>Discuss hypothesis for protocols in groups</b>	
12:00 – 13:00	<b>Break</b>	
13:00 – 14:30	‡ <b>Reading:</b> Protocol template ‡ <b>Develop own hypothesis</b> <i>Individual study</i>	<b>Lecture: Quality Assessment, reporting results, evaluating quality of SR/MA (AMSTAR)</b> <i>Pre-recorded</i>
14:30 – 16:00	‡ <b>Read for tomorrow:</b> - PRISMA, Gurevich et al - Borenstein ch 10-13 & 15-16 <i>Individual study</i>	‡ <b>Read for Monday:</b> - KIB “Systematic Reviews” webpage - Journal Club Article & AMSTAR checklist ‡ <b>Start Planning/Drafting protocol</b> <i>Individual study</i>

\*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 Oct 31	Tuesday Nov 1	Wednesday Nov 2	Thursday Nov 3	Friday Nov 4
09:00 – 10:20	† <b>Workshop: Systematic Literature Searching</b> <i>Karolinska Institutet Library</i> <i>Room: Gunnar Höglund</i>	† <b>Computer lab: using STATA to perform a meta-analysis</b> <i>Anna Sidorchuk</i> <i>Room: Gunnar Höglund</i>	<b>Lecture: Limitations of SR/MA</b> <i>Elizabeth Arkema</i> <i>Room: Gunnar Höglund</i>	‡ <b>Prepare study protocol</b> <i>Individual study</i> <i>Book a time to meet with Elizabeth (Zoom)</i>	‡ <b>Prepare study protocol</b> <i>Individual study</i>
10:20 – 10:30	Break				
10.30 – 12:00	† <b>Workshop (cont.) Systematic Literature Searching</b> <i>Karolinska Institutet Library</i>	<b>Lecture: Sensitivity analyses &amp; Subgroup Analyses</b> <i>Elizabeth Arkema</i> <i>Room: Gunnar Höglund</i>			
12:00 – 13:00	Break				
13:00 – 14:30	<b>*Journal club <i>SUBMIT ASSIGNMENT BY 13:00</i></b> <i>Discussion in groups</i> 1. BZ-406 2. BZ-408 3. BZ-410 4. BZ-412	<b>Discuss own protocol &amp; example protocols</b> <i>Discussion in groups</i> 1. BZ-406 2. BZ-408 3. BZ-410 4. BZ-412			<b>Guest Lecture: <i>To be announced</i></b>
14:30 – 16:00	‡ <b>Read for tomorrow:</b> - Example protocols ‡ <b>Continue drafting protocol</b> <i>Individual study</i> <b><i>SUBMIT RESEARCH QUESTION BY 23:59</i></b>	‡ <b>Read for tomorrow:</b> - Borenstein ch 40, 41, 43 ‡ <b>Continue drafting protocol</b> <i>Individual study</i>	‡ <b>Continue drafting protocol</b> <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 7	Tuesday Nov 8	Wednesday Nov 9
09:00 – 10:20	‡Prepare study protocol <i>Individual study</i>	‡Read all protocols in your group, prepare peer review for your assigned protocol <i>Individual study</i>	Finalize study protocol incorporating feedback from the protocol discussion/peer review
10.30 – 12:00	<b>SUBMIT DRAFT PROTOCOL BY 12:00</b>		
12:00 – 13:00			
13:00 – 16:00	Receive peer protocol to review by 13:00  ‡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-406 2. BZ-408 3. BZ-410 4. BZ-412	<b>Submit final protocol by 11:59 PM</b>

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

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