Course 4FH099 – Systematic Review and Meta-Analysis
3.0 credits, October 26 – November 8, 2023

Course week 1	**Thursday Oct 26**	**Friday Oct 27**
09:00 – 10:20	**Lecture: Introduction to the course and to Systematic Reviews and Meta-Analyses (SR/MA)*** *Elizabeth Arkema* *Room: Richard Doll*	‡*HOMEWORK:* *- Do readings (see yesterday's and listed below)* *- Journal Club (JC) assignment* *- Watch quality lecture videos* *- Submit reading comprehension assignment (due 11:59 PM)*
10:20 – 10:30	**Break**	
10:30 – 12:00	**Lecture: Basics of SR/MA*** *Elizabeth Arkema* *Room: Richard Doll* **Discuss hypothesis for protocols in groups**	**Lecture: Quality Assessment, reporting results, evaluating quality of SR/MA (AMSTAR)** *Pre-recorded – watch online*
12:00 –13:00	**Break**	
13:00 – 14:30	‡**Readings:** - Protocol template - Gurevich et al - PRISMA article and checklist	‡**Read for Monday:** - KIB "Systematic Reviews" webpage - JC Article & AMSTAR checklist - Work on JC assignment due Monday
14:30 – 16:00	‡**Develop own hypothesis** *Individual study*	‡**Start Planning/Drafting protocol** *Individual study* ***SUBMIT READING COMPREHENSION ASSIGNMENT BY 23:59***

*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 Oct 30	Tuesday Oct 31	Wednesday Nov 1	Thursday Nov 2	Friday Nov 3
09:00 – 10:20	**†Workshop: Systematic Literature Searching** *Karolinska Institutet Library* *Room: Richard Doll*	**Lecture: Statistical Analysis** *Alessio Crippa* *Room: Richard Doll*	**Lecture: Sensitivity analyses & Subgroup Analyses** *Elizabeth Arkema* *Room: Richard Doll*	**Lecture: Limitations of SR/MA** *Elizabeth Arkema* *Room: Richard Doll*	**‡Prepare study protocol** *Individual study* *Book a time to meet with Elizabeth (Zoom)*
10:20 – 10:30			**Break**		
10.30 – 12:00	**†Workshop (cont.) Systematic Literature Searching** *Karolinska Institutet Library*	**Lecture: Heterogeneity, validity (publication bias)** *Alessio Crippa* *Room: Richard Doll*	**†Computer lab: using STATA to perform a meta-analysis** *Marina Dehara* *Room: Richard Doll*	**Lecture: example of a systematic review in progress** *Marina Dehara*	
12:00 –13:00			**Break**		
13:00 – 14:30	***Journal club *SUBMIT ASSIGNMENT BY 13:00*** *Discussion in groups* *1. Richard Doll* *2. KEP T4 Conference room* *3. KEP T4 Faksi room*		**Discuss example protocols *& own protocol*** ***SUBMIT GRADE OF EXAMPLE PROTOCOL BY 13:00*** *Discussion in groups* *1. Richard Doll* *2. KEP T4 Conf room* *3. KEP T4 Faksi room*		
14:30 – 16:00	**‡Read for tomorrow:** - Borenstein ch 10-13 & 15-16 **‡Continue drafting protocol** *Individual study* ***SUBMIT RESEARCH QUESTION BY 23:59***	**‡Read for tomorrow:** - Borenstein ch 40, 41, 43 - Read example protocols - Grade protocols **‡Continue drafting protocol** *Individual study*	**‡Continue drafting protocol** *Individual study*	**‡Continue drafting protocol** *Individual study*	

†Bring your laptop

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

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Course week 3	Monday Nov 6	Tuesday Nov 7	Wednesday Nov 8
09:00 – 10:20	**‡Prepare study protocol** *Individual study*	**‡Read all protocols in your group, prepare peer review for your assigned protocol by 13:00** *Individual study*	**Finalize study protocol incorporating feedback from the protocol discussion/peer review**
10.30 – 12:00	***SUBMIT DRAFT PROTOCOL BY 12:00***		
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** *Individual study*	**13-16:00 Protocol Discussion and Peer Review** *Discussion in groups* *1. BZ-416* *2. BZ-418* *3. BZ-420*	***Submit final protocol by 23:59 PM***

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

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