

**Course 4FH099 – Systematic Review and Meta-Analysis**  
**3.0 credits, October 29 – November 11, 2026**

| Course week 1 | Thursday Oct 29<br><i>Eugeniahemmet</i>                                                                                                                         | Friday Oct 30<br><i>Work from home</i>                                                                                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09:00 – 10:20 | Lecture: Introduction to the course and to Systematic Reviews and Meta-Analyses (SR/MA)*<br><i>Elizabeth Arkema</i><br><i>Room: Richard Doll, Eugeniahemmet</i> | ‡ <b>HOMEWORK:</b><br>- Do readings (see list below) and do reading comprehension assignment<br>- Journal Club (JC) assignment                                                          |
| 10:30 – 12:00 | Lecture: Basics of SR/MA*<br><i>Elizabeth Arkema</i>                                                                                                            |                                                                                                                                                                                         |
|               | Look up protocols, pick a protocol to work on                                                                                                                   |                                                                                                                                                                                         |
| 12:00 –13:00  | Break                                                                                                                                                           |                                                                                                                                                                                         |
| 13:00 – 14:30 |                                                                                                                                                                 | ‡ <b>Read for <i>Tuesday</i>:</b><br>- JC Article & AMSTAR checklist<br>- Work on JC assignment<br>- KIB “Systematic Reviews” webpage, Egger chapter 2<br>- Borenstein ch 10-13 & 15-16 |
| 14:30 – 16:00 | ‡ <i>Individual study</i><br><b>Complete course evaluation for previous course</b>                                                                              | ‡ <b>PREPARE FOR FIRST ASSIGNMENT DUE MONDAY 11:59 PM</b>                                                                                                                               |

\*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 2<br><i>Karolinska Library</i>                                                                                       | Tuesday Nov 3<br><i>Berzelius</i>                                                                                                                                                                                              | Wednesday Nov 4<br><i>Berzelius</i>                                                                      | Thursday Nov 5<br><i>Berzelius</i>                                                      | Friday Nov 6<br><i>Work from home, online</i>                              |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 09:00 – 10:20 | †Workshop: Systematic Literature Searching<br><i>Ingrid Andersson, Lina Lindstein</i><br><i>Room: Synapsen</i>                  | Lecture: Statistical Analysis<br><i>Cathrine Axfors</i><br><i>Room: Charles</i>                                                                                                                                                | <b><i>SUBMIT JC ASSIGNMENT BY 10:30 AM</i></b>                                                           | Lecture: SR/MA Examples<br><i>Alvaro Gomez</i><br><i>Fredh Netterström Wedin (Zoom)</i> | Office hours: <i>Book a time to meet with Elizabeth (Zoom), 9:00-10:30</i> |
| 10.30 – 12:00 |                                                                                                                                 |                                                                                                                                                                                                                                | <b>*Journal club 10:30-12:00</b><br><i>Discussion in groups</i><br><i>BZ-418, BZ-420, BZ-422, BZ-601</i> |                                                                                         |                                                                            |
| 12:00 –13:00  | Break                                                                                                                           |                                                                                                                                                                                                                                |                                                                                                          |                                                                                         |                                                                            |
| 13:00 – 14:30 |                                                                                                                                 | ‡Read for Wed-Thurs:<br>- Borenstein ch 40, 41, 43<br>- Complete JC assignment<br><br>Watch online Lectures: Quality Assessment, reporting results, evaluating quality of SR/MA (AMSTAR)<br><i>Pre-recorded – watch online</i> | Lecture: Sensitivity analyses & Subgroup Analyses<br><i>Elizabeth Arkema</i><br><i>Room: Mary</i>        |                                                                                         |                                                                            |
| 14:30 – 16:00 | <b><i>SUBMIT READING ASSIGNMENT, PROTOCOL TOPIC BY 11:59PM</i></b><br><br>‡Start protocol assignment<br><i>Individual study</i> |                                                                                                                                                                                                                                | †Computer lab: using Stata to perform a meta-analysis<br><i>Ngoc Nguyen</i><br><i>Room: Mary</i>         | ‡Continue protocol assignment<br><i>Individual study</i>                                | ‡Continue protocol assignment                                              |

†Bring your laptop

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

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| Course week 3 | Monday Nov 9<br><i>Work from home</i>                                                                                                                                                                               | Tuesday Nov 10<br><i>Berzelius</i>                                               | Wednesday Nov 11<br><i>Work from home</i>                                                                                              |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 09:00 – 12:00 | <b><i>SUBMIT DRAFT PROTOCOL BY 9 AM</i></b><br><br>Receive a peer protocol to review by 9:15 AM<br><br>‡Read all protocols in your group, prepare peer review for your assigned protocol<br><i>Individual study</i> | <b><i>SUBMIT PROTOCOL ASSIGNMENT BY 9:00 AM</i></b><br>‡ <i>Individual study</i> | ‡ <i>Individual study</i>                                                                                                              |
| 12:00 – 13:00 |                                                                                                                                                                                                                     |                                                                                  |                                                                                                                                        |
| 13:00 – 16:00 | <b>13-16:00 Protocol Discussion and Peer Review</b><br><i>Discussion in groups</i><br><i>BZ-416, BZ-418, BZ-420, BZ-422</i>                                                                                         |                                                                                  | <b><i>FINAL EXAM</i></b><br><i>Room: Charles</i><br><b>Exam should take max 1 hour, but we have the room for 2 hours (13:00-15:00)</b> |

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

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