**Course Schedule of LB0109, Agroecology and sustainability of production systems (2022-23)**

Course leader: *Raj Chongtham (RC)*; email: *raj.chongtham@slu.se*

*Course assistant: Dylan Wallman <dylan.wallman@slu.se>*

Course examiners: Linda-Maria D Mårtensson (LMDM) and Anna Peterson (AP)

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| **Date** | **Day** | **Time** | **Lectures/activities** | **Room**  | **Teacher** |
| 01-nov-22 | Tue | 09.15-12.00 | Course introduction, instructions for course work | ComputerroomOlympen A and B | RC, DW and LMDM |
|  |  | 13.15-15.00 | Sustainability and challenges for agriculture  | Västan | RC |
| 02-nov-22 | Wed | 09.15-11.00 | Cropping systems and food diversification | Articum 3 | DW  |
|  |  | 11.15-12.00 |  Introduction to Individual assignment (IA) | Articum 3 | RC, DW |
| 03-nov-22 | Thu | 09.15-11.30 | Transition to Agroecology | Atelje | RC and DW |
|  |  | 13.15-16.00 | Ecosystem services to and from agricultural systems | Articum 3 | JB |
| 04-nov-22 | Fri | 10.15-12.00 | Soil quality and health | Articum 2 | LMDM |
|  |  | 12.15-15.00 | Social mingling with lunch and workshop to know each other |  | RC, AP and GC |
| 07-nov-22 | Mon | 08.15-10.00 | Integrated weed management | <https://slu-se.zoom.us/j/69535236328>Pass: 303051 | GB |
|  |  | 10.15-12.00 | Ecological mechanisms of (agro)ecosystem services | <https://slu-se.zoom.us/j/2465751769>Pass: 954545 | RB |
|  |  | 13.15-16.00 |  Sustainability assessment and TAPE tool, **Mandatory** | Articum 3 | RC |
| 08-nov-22 | Tue | 10.15-12.00 | Beneficial biotic interactions and nutrient cycling | Myllan | GC |
|  |  | 13.15-15.00 | Agroforestry | <https://slu-se.zoom.us/j/2465751769>Pass: 954545 | LS & Nina |
| 09-nov-22 | Wed | 08..15-17.00 | Group work on TAPE |  |  |
|  |  |  |  |  |  |
| 10-nov-22 | Thu | 10.15-12.00 | Agriculture’s climate impact and sustainability in a food system perspective | Myllan | GC |
|  |  | 13.15-17.00 | Group work TAPE |  | RC |
| 11-nov-22 | Fri | 09.15-11.00 |  Animal welfare | Articum 3 | HS |
|  |  | 11.15-12.00 | Questions on TAPE and group work TAPE | Articum 3 | RC |
|  |  | 13.15-16.00 | Integrated Pest management | Articum 2 | TD |
| 14-nov-22 | Mon | 08.15-12.00 | Group work on TAPE |  |  |
|  |  | 13.15-17.00 | Seminar TAPE **Mandatory** | Västan | RC and LMDM |
|  |  |  |  |  |  |
| 15-nov-22 | Tue | 09.15-11.00 |  Questions on Individual Assignment (IA). | Articum 3 | RC, DW and LMDM |
|  |  | 11.15-12.00 |  Introduction to peer-based learning | Articum 3 | RC, DW |
|  |  | 13.00-17.00 | Peer based learning |  |  |
| 16-nov-22 | Wed | 09.15-11.00 | Social aspects in livestock  | Assembly Hall (Aulan), Library building | PL |
|  |  | 11.15-17.00 | Peer-based learning |  |  |
| 17-nov-22 | Thu | 08.15-10.00 | Crop and livestock production | Articum 2 | AH |
|  |  | 10.15-12.00 | Agricultural and rural development policies | <https://slu-se.zoom.us/j/2465751769>Pass: 954545 | BK |
|  |  | 13.15-17.00 | Peer-based learning |  |  |
| 18-nov-22 | Fri | 08.15-12.00 | Peer-based learning |  |  |
|  |  | 13.15-16.00 | Seminar peer-based learning | Myllan | RC |
| 21-nov-22 | Mon | 08.15-12.00 | Finalise IA |  |  |
|  |  | 13.15-15.00 | Markets and welfare | Västan | AD |
|  |  | -17.00 | Hand-in of starting document of IA by 17.00, **Mandatory** |  |  |
| 22-nov-22 | Tue | 10.15-12.00 | Global production and trade (prelim.) | Myllan | KK |
| 22-nov-22 |  | 13.15-15.00 | Urban and peri-urban crop production | Myllan | BA |
| 23-nov-22 | Wed | 10.15-12.00 | Presentation of starting document of IA, **Mandatory** | Myllan | RC, DW |
|  |  |  |  |  |  |
| 24-nov-22 | Thu | 09.15-10.45 13.00-16.00 | Presentation of starting document of IA, **Mandatory** | Myllan and Östan | RC, DW  |
| 25-nov-22 | Fri | 08.15-09.00 | Introduction to farmer interview | Myllan | RC |
|  |  |  | Prepare for farmer interview |  |  |
| 28-nov-22 | Mon | 09.15-17.00 (prel) | Farmer Interview in groups, **Mandatory** |  | RC, DW, and AP |
| 29-nov-22 | Tue | 09.15-17.00 (prel) | Farmer Interview in groups , **Mandatory** |  | RC, DW and AP |
| 30-nov-22 | Wed |  | Group work for farmer interview seminar and report |  |  |
| 01-dec-22 | Thu |  | Group work for farmer interview seminar and report |  |  |
| 02-dec-22 | Fri |  | Group work for farmer interview seminar and report |  |  |
| 05-dec-22 | Mon | 10.15-15.00 | Seminar Farmer interview, **Mandatory** | Atelje (library building) and Myllan (afternoon) | RCand AP |
|  |  | 15.15-17.00 | Questions about IA | Myllan | RC and AP |
| 06-dec-22 | Tue | 09.15-12.00 | Agroecology in research and practice | Myllan (prelim) | RC and additional speakers |
|  |  | 13.00-17.00 | Work on IA and farm report |  |  |
|  |  |  |  |  |  |
| 07-dec-22 | Wed | 08.15-10.00 | Ethical issues in agriculture- Lecture | Students will sit in classroom Västan<https://slu-se.zoom.us/j/2465751769>Pass: 954545 | PS |
|  |  | 10.15-12.00 | Ethical issues in agriculture- Seminar | Västan | GC |
| 08-dec-22 | Thu |  |  **Work on farm interview report** |  |  |
| 09-dec-22 | Fri | -17.00  | Hand-in of Farmer interview report by 17.00 hrs, **Mandatory** |  |  |
| 12-dec-22 | Mon | 09.15-11.00 | Introduction to seminar: Design of sustainable production systems | Skörden | GC |
| 13-dec-22 | Tue | 09.15-12.00 | Seminar on design of sustainable production systems | Västan | GC |
|  |  | 12.45- 15.00 | Visit to SYSAV recycling plant | By Bus, Meet in front of Library building | RC and DW |
| 14-dec-22 |  |  |  |  |  |
| 15-dec-22 |  |  |  |  |  |
| 22-dec-22 | Thu | -17.00 | Hand-in of IA by 17.00 hrs, **Mandatory** |  |  |
| Working days during 26 Dec- 05 Jan |  |  | Prepare for student seminar |  |  |
| 09-jan-23 | Mon | 10.15-12.00 | Student seminar on Ecology, **Mandatory** | Myllan | RC and AP |
|  |  | 13.15-17.00 | Student seminar on Sustainability, **Mandatory** | Myllan | RC and AP |
| 10-jan-23 | Tue | 10.15-12.00 | Student seminar on Soil-Crop-Livestock, **Mandatory** | Mylan | RC, GC and AP |
|  |  | 13.15-17.00 | Student seminar on Socio-Economic, **Mandatory** | Myllan | RC, GC and AP |
| 11-jan-23 | Wed |  | Prepare for final workshop |  |  |
| 12-jan-23 | Thu | 10.15-17.00 | Final workshop, **Mandatory** | Articum 1Aritucm 3 | RC, LMDM, DW and AP |
| 13-jan-23 | Fri | 09.15-12.00 | Final workshop (continuation), **Mandatory** | MylanÖstan | RC, LMDM, DW and AP |
|  |  | 13.15-15.00 | Oral course evaluation | Articum 3 | RC, DW |

**Acronyms of course teachers (in order of teaching schedule)**

RC: Raj Chongtham; GC: Georg Carlsson; AP: Anna Peterson; DW: Dylan Wallman; LS: Laurence Smith; RB: Riccardo Bommarco; JB: Jan Bengtsson; GB: Göran Bergkvist; HS: Hanna Sassner; PL: Peter Lundqvist; TD: Teun Dekker; AH: Anders Herlin; LMDM: Linda-Maria Dimitrova Mårtensson; AD: Annie Drottberger; BK: Brian Kuns; BA: Beatrix Alsanius; KK: Kostas Karantininis; PS: Per Sandin