

Red= Compulsory presence

Blue = Lab with compulsory assignment, presence highly recommended but not compulsory

| Day   | Room    | 09:00-12   | 13:00-16  |
|---|---------|--|---|
| <b>w 13 Introduction, Environmental assessment, Applied statistics, Design of monitoring programs</b> |         |  |   |
| ons 24 mar  | Zoom    | <b>Introduction</b> , What is Env. Assessm (UG)  | General info about studies, central SLU activity                          |
| tor 25 mar  | Zoom    | Applied statistics (UG)  | <a href="#">Design and Statistical power (UG)</a>                         |
| fre 26 mar  | Zoom    | Applied statistics (UG)  | <a href="#">Design of environmental studies (UG) + Intro to R</a>         |
| <b>w 14 Self organised studies</b>  |         |  |   |
| mån 29 mar  | Easter  |  |   |
| tis 30 mar  | Easter  |  |   |
| ons 31 mar  | Easter  |  |   |
| tor 01 apr  | Easter  |  |   |
| fre 02 apr  | Easter  |  |   |
| <b>w 15 Geostatistics and sampling (JS)</b>   |         |  |   |
| mån 05 apr  | Easter  |  |   |
| tis 06 apr  | Zoom    | Geostatistics and sampling (JS)  | <a href="#">Exercise: Measuring spatial variation</a>                     |
| ons 07 apr  | Zoom    | Geostatistics and sampling (JS)  |   |
| tor 08 apr  | Zoom    | Reading  | Geostatistics and sampling (JS)   |
| fre 09 apr  | Zoom    | <a href="#">Exercise: Spatial estimation (JS)</a>  |   |
| <b>w 16 Acidification intro, Time series intro (JF)</b>   |         |  |   |
| mån 12 apr  | Easter  | Acidification intro, Time series intro (JF)  | <a href="#">Exercise Acidification (JF)</a>                               |
| tis 13 apr  | Zoom    | Acidi. Processes, episodes and liming (JF)   | Assessing acidification (JF)  |
| ons 14 apr  | Zoom    | DOC changes and acidification from forestry (MF)   |   |
| tor 15 apr  | Zoom    | Recovery and the future. Non-parametrics and GAM. (JF)   | <a href="#">Exercise: Non-parametrics and GAM. (JF)</a>                   |
| fre 16 apr  | Zoom    | Reading  | Seminar on liming policy. Follow up discussions. (JF)                     |
| <b>w17 Terrestrial environmental assessment</b>   |         |  |   |
| mån 19 apr  | Zoom    | EA in forests, and biodiversity assessment   | Reading   |
| tis 20 apr  | Zoom    | <a href="#">Biodiversity calculations (UG)</a>   | Calculation exercise, Ellenberg. Bring calculator!                        |
| ons 21 apr  | Zoom    | Biological indication (UG)   |   |
| tor 22 apr  | Zoom    | <a href="#">Excel, Ellenberg, large data sets (UG)</a>   | Reading   |
| fre 23 apr  | Zoom    | Reading  | Applied statistics. Review of exercises. (UG) End ca 14:30                |
| <b>w18 Aquatic environmental assessment</b>   |         |  |   |
| mån 26 apr  | Zoom    | Environmental quality objectives in Sweden and Sustainable development goals: Zero eutrophication, Flourishing lakes and streams + <b>WFD (Willem)</b> | Reading   |
| tis 27 apr  | Zoom    | EU habitat directive and biodiversity conservation, Eutrophication ( <b>Stina</b> )  | <a href="#">Exercise: Vollenweider model of nutrient loading (Willem)</a> |
| ons 28 apr  | Zoom    |  |   |
| tor 29 apr  |         |  |   |
| fre 30 apr  | Holiday |  |   |

| w 19 Aquatic environmental assessment  |         |  |  |
|--|---------|--|--|
| mån 03 maj   | Zoom    | Environmental quality criteria and reference criteria (RJ)                       | Quantifying ecological status using invertebrates (RJ)         |
| tis 04 maj   | Zoom    | Reading  | Other biological indicators of ecological quality (Brendan)    |
| ons 05 maj   | Zoom    | Exercise: Ecological status classification (Richard)                             |  |
| tor 06 maj   |         | 09:00-09:45 Introduction to the field week (UG)                                  |  |
| fre 07 maj   | Zoom    | Literature seminar (two groups) (Richard, Brendan)                               | 13:00-15:30 Review of the aquatic exercises (Willem & Richard) |
| w 20 Environmental assessment of metals and of organic pollutants  |         |  |  |
| mån 10 maj   | Zoom    | Assessment of Hg and heavy metals (KE)   | Environmental organic contaminants: fate and exposure (FYL)    |
| tis 11 maj   | Zoom    | Organic micropollutants in aquatic environment – from the source to the tap (OG) | Exercise (OG)  |
| ons 12 maj   |         | Pesticide monitoring for risk assessment and management (??)                     |  |
| tor 13 maj   | Holiday |  |  |
| fre 14 maj   | Holiday |  |  |
| w 21 Field exercises, may be on campus if the pandemic allows. If so, there will be compulsory lectures whole week |         |  |  |
| mån 17 maj   |         |  |  |
| tis 18 maj   |         | "Field week". Video links will be available on Canvas                            |  |
| ons 19 maj   |         | "Field week". Video links will be available on Canvas                            |  |
| tor 20 maj   |         |  |  |
| fre 21 maj   |         | 11:00 - 11:30 Exam on field videos, in Canvas.                                   | Review of assignments, questions before the exam.              |
| w 22 Exam  |         |  |  |
| mån 24 maj   |         |  |  |
| tis 25 maj   |         |  |  |
| ons 26 maj   |         | Exam. 08:00-13:00.   | "Thesis day"   |
| tor 27 maj   | TBA     | Review of exam<br>09:30 Start of project + meeting with supervisor               |  |
| fre 28 maj   | Zoom    | Project work   | Project work   |
| w 23 Project work  |         |  |  |
| mån 31 maj   |         | Project work   | Project work   |
| tis 01 jun   |         | Project work   | Project work   |
| ons 02 jun   |         | Project work. Deadline 23:59!  |  |
| tor 03 jun   |         | Review of another group's report. Deadline 11:00.                                | Finalising report. Deadline 18:00!                             |
| fre 04 jun   | Zoom    | Presentation of project (UG, TV, GA, JS)   |  |

JF: Jens Fölster  
 JS: Johan Stendahl  
 GA: Gunnel Alvenäs  
 TV: Tobias Vrede  
 RJ: Richard Johnson  
 WG: Willem Goedkoop

KE: Karin Eklöf  
 OG: Oksana Golovko  
 FYL: Foon Yin Lai  
 MF: Martyn Futter  
 SD: Stina Drakare  
 BM: Brendan McKie