

## Preliminary schedule (version 2024-12-17)

**Plant Food Science LV0127, 15 HEC, 2025 (January 20 to March 24, 2025)**

Course leader: Roger Andersson (roger.andersson@slu.se) and Santanu Basu (santanu.basu@slu.se)

Compulsory parts of the course are marked with this color.

All teaching occasions are in rooms in BioCenter unless otherwise stated in the schedule.

| Week 4      | Monday 20/1  | Tuesday 21/1  | Wednesday 22/1                            | Thursday 23/1                             | Friday 24/1                                      |
|-------------|--|---|---|---|--|
| 9.15-10.00  |  |   |   |   |  |
| 10.15-11.00 | Call Over<br>RA and SB<br>Room C213                    | Lecture:<br>Whole grain and<br>fractions<br><br>RA<br>Room C213 | Lecture:<br>Starch<br><br>RA<br>Room C213 | Lecture:<br>Starch<br><br>RA<br>Room C213 | Lecture:<br>Dietary fibre<br><br>RA<br>Room C213 |
| 11.15-12.00 | Lecture:<br>Whole grain concept<br><br>RA<br>Room C213 |   |   |   |  |
|             | L  | U   | N   | C   | H  |
| 13.15-14.00 | Lecture:<br>Whole grain concept<br><br>RA<br>Room C213 |   |   | Project start<br>RA, SB<br>Room C213      |  |
| 14.15-15.00 |  |   |   |   |  |
| 15.15-16.00 |  |   |   |   |  |

| <b>Week 5</b> | <b>Monday<br/>27/1</b>                       | <b>Tuesday<br/>28/1</b>                      | <b>Wednesday<br/>28/1</b>                                    | <b>Thursday<br/>30/1</b>                         | <b>Friday<br/>31/1</b>                   |
|---------------|--|--|--|--|--|
| 9.15-10.00    |  |  |  |  |  |
| 10.15-11.00   |  | Lecture:<br>Dietary fibre<br>RA<br>Room C213 | Lecture:<br>Grain quality,<br>Wet milling<br>RA<br>Room C213 | Lecture:<br>Dry fractionation<br>RA<br>Room C213 | Student lecture 1:<br>Maize<br>Room C213 |
| 11.15-12.00   |  |  |  |  | Student Lecture 2:<br>Rice<br>Room C213  |
|               | L  | U  | N  | C  | H  |
| 13.15-14.00   | Lecture:<br>Dietary fibre<br>RA<br>Room C213 |  |  |  |  |
| 14.15-15.00   |  |  |  |  |  |
| 15.15-16.00   |  |  |  |  |  |

| Week 6      | Monday<br>3/2                                       | Tuesday<br>4/2                            | Wednesday<br>5/2                             | Thursday<br>6/2                       | Friday<br>7/2   |
|-------------|---|---|--|---------------------------------------|---|
| 9.15-10.00  | Abstract Discussion<br>Lab group 1, RA<br>Room A338 |   |  |                                       |   |
| 10.15-11.00 | Abstract Discussion<br>Lab group 2, RA<br>Room A338 | Lecture:<br>Pulses<br><br>SB<br>Room C212 | Student lecture 3<br>Barley<br>Room C213     | <b>Guest Lecture</b><br><br>Room C213 | Theme Quiz,<br>answers and<br>discussion:<br>Whole grain<br>RA, SB<br>Room C213 |
| 11.15-12.00 | Abstract Discussion<br>Lab group 3, RA<br>Room A402 |   | Lecture:<br>Grain Storage<br>SB<br>Room C213 |                                       |   |
|             | L   | U   | N  | C                                     | H   |
| 13.15-14.00 | Abstract Discussion<br>Lab group 4, RA<br>Room A402 |   |  |                                       | Theme Quiz,<br>answers and<br>discussion:<br>Whole grain<br>RA, SB<br>Room C213 |
| 14.15-15.00 | Abstract Discussion<br>Lab group 5, RA<br>Room A402 |   |  |                                       |   |
| 15.15-16.00 |   |   |  |                                       |   |

| Week 7      | Monday<br>10/2                            | Tuesday<br>11/2  | Wednesday<br>12/2   | Thursday<br>13/2   | Friday<br>14/2 |
|-------------|---|--|---|--|----------------|
| 9.15-10.00  |   |  |   |  |                |
| 10.15-11.00 | Lecture:<br>Baking<br><br>RA<br>Room C213 | Student lecture 4:<br>Gluten free Bread<br><br>Room C213 | Lecture:<br>Frozen dough and<br>Potato<br><br>SB<br>Room C213 | Lecture:<br>Glass Transitions<br>and Food Stability<br><br>SB<br>Room C213 |                |
| 11.15-12.00 |   | Lecture:<br>Baking<br><br>RA<br>Room C213                |   |  |                |
|             | L   | U  | N   | C  | H              |
| 13.15-14.00 |   |  |   |  |                |
| 14.15-15.00 |   |  |   |  |                |
| 15.15-16.00 |   |  |   |  |                |

| Week 8      | Monday<br>17/2  | Tuesday<br>18/2   | Wednesday<br>19/2   | Thursday<br>20/2  | Friday<br>21/2  |
|-------------|---|---|---|---|---|
| 9.15-10.00  | Laboratory:<br>Baking / RVA,<br>Lab groups<br><br>RA<br>Biocenter | Laboratory:<br>Baking / RVA,<br>Lab groups<br><br>RA<br>Biocenter | Laboratory:<br>Baking / RVA,<br>Lab groups<br><br>RA<br>Biocenter | Laboratory:<br>Baking / RVA,<br>Lab groups<br><br>RA<br>Biocenter | Laboratory:<br>Baking / RVA,<br>Lab groups<br><br>RA<br>Biocenter |
| 10.15-11.00 |   |   |   |   |   |
| 11.15-12.00 |   |   |   |   |   |
|             |   |   |   |   |   |
| 13.15-14.00 |   |   |   |   |   |
| 14.15-15.00 |   |   |   |   |   |
| 15.15-16.00 |   |   |   |   |   |
| 16.15-17.00 |   |   |   |   |   |

| <b>Week 9</b> | <b>Monday<br/>24/2</b>                              | <b>Tuesday<br/>25/2</b>               | <b>Wednesday<br/>26/2</b>  | <b>Thursday<br/>27/2</b>                       | <b>Friday<br/>28/2</b>   |
|---------------|---|---------------------------------------|--|--|--|
| 9.15-10.00    | Abstract Discussion<br>Lab group 5, RA<br>Room A338 |                                       |  |  |  |
| 10.15-11.00   | Abstract Discussion<br>Lab group 4, RA<br>Room A338 | <b>Guest lecture</b><br><br>Room C213 | Theme Quiz,<br>answers and<br>discussion:<br>Baking<br>RA, SB<br>Room C213 | Lecture:<br>Food processing<br>SB<br>Room C213 | Lecture:<br>CA storage-MAP<br>And<br>Thermal Processing<br>SB<br>Room C213 |
| 11.15-12.00   | Abstract Discussion<br>Lab group 3, RA<br>Room A338 |                                       |  |  |  |
|               | L   | U                                     | N  | C  | H  |
| 13.15-14.00   | Abstract Discussion<br>Lab group 2, RA<br>Room A338 |                                       | Theme Quiz,<br>answers and<br>discussion:<br>Baking<br>RA, SB<br>Room C213 |  |  |
| 14.15-15.00   | Abstract Discussion<br>Lab group 1, RA<br>Room A338 |                                       |  |  |  |
| 15.15-16.00   |   |                                       |  |  |  |

| <b>Week 10</b> | <b>Monday<br/>3/3</b>  | <b>Tuesday<br/>4/3</b>                                 | <b>Wednesday<br/>5/3</b>                            | <b>Thursday<br/>6/3</b>                         | <b>Friday<br/>7/3</b>                            |
|----------------|--|--|---|---|--|
| 9.15-10.00     |  |  |   |   |  |
| 10.15-11.00    | Lecture:<br>Thermal processing<br>Drying and Freezing<br><br>SB<br>Room C213 | Lecture:<br>Drying and Freezing<br><br>SB<br>Room C213 | Lecture:<br>Food Dispersions<br><br>RA<br>Room C213 | Lecture:<br>Food Texture<br><br>SB<br>Room C212 | Lecture:<br>Food rheology<br><br>SB<br>Room C212 |
| 11.15-12.00    |  |  |   |   |  |
|                | L  | U  | N   | C   | H  |
| 13.15-14.00    |  |  |   |   |  |
| 14.15-15.00    |  |  |   |   |  |
| 15.15-16.00    |  |  |   |   |  |

| Week 11     | Monday<br>10/3   | Tuesday<br>11/3                               | Wednesday<br>12/3                                    | Thursday<br>13/3   | Friday<br>14/3   |
|-------------|--|---|--|--|--|
| 9.15-10.00  |  |   |  |  |  |
| 10.15-11.00 | <b>Guest Lecture:</b><br>MA and innovative packaging<br>Zoom | Lecture:<br>Food Extrusion<br>SB<br>Room C213 | Lecture:<br>Novel Food Processing<br>SB<br>Room C213 | Theme Quiz,<br>answers and discussion:<br>processing<br>RA and SB<br>Room C213 | Time to ask questions and discuss all course topics<br>RA, SB<br>Room C213 |
| 11.15-12.00 |  |   |  |  |  |
|             | L  | U   | N  | C  | H  |
| 13.15-14.00 | <b>Guest Lecture</b><br>Zoom                                 |   |  | Theme Quiz,<br>answers and discussion:<br>processing<br>RA and SB<br>Room C213 | Time to ask questions and discuss all course topics<br>RA, SB<br>Room C213 |
| 14.15-15.00 |  |   |  |  |  |
| 15.15-16.00 |  |   |  |  |  |



| Week 12     | Monday<br>17/3 | Tuesday<br>18/3 | Wednesday<br>19/3 | Thursday<br>20/3                             | Friday<br>21/3                          |
|-------------|----------------|-----------------|-------------------|--|---|
| 9.15-10.00  |                |                 |                   | 08.00-12.00<br>Examination<br>Tentamenssal 2 | Project Work<br>discussion<br>Room A402 |
| 10.15-11.00 |                |                 |                   |  |   |
| 11.15-12.00 |                |                 |                   |  |   |
|             | L              | U               | N                 | C  |   |
| 13.15-14.00 |                |                 |                   |  |   |
| 14.15-15.00 |                |                 |                   |  |   |
| 15.15-16.00 |                |                 |                   |  |   |

| Week 13     | Monday<br>24/3   | Tuesday<br>25/3 | Wednesday<br>26/3 | Thursday | Friday |
|-------------|--|-----------------|-------------------|----------|--------|
| 9.15-10.00  | Project work<br>Presentations<br><br>RA, SB<br>Room C213 |                 |                   |          |        |
| 10.15-11.00 |  |                 |                   |          |        |
| 11.15-12.00 |  |                 |                   |          |        |
|             |  |                 |                   |          |        |
| 13.15-14.00 |  |                 |                   |          |        |
| 14.15-15.00 |  |                 |                   |          |        |
| 15.15-16.00 |  |                 |                   |          |        |

### Teachers

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