Schedule, Food Chemistry and Physics LV0110

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| **Date** | **Time** | **Activity** | **Room** |
| Mon 28 Aug | 08.15 -09.00 | Introduction with important info (SK, JL)\* | C212 |
| Tue 29 Aug | 13.15-15.00 | Water and ice (SK) | C212 |
| Wed 30 Aug | 13.15-15.00 | Proteins(SK) | C212 |
| Thu 31 Aug | 10.15-12.00  13.15-15.00 | Carbohydrates Maillard and caramelisation (HH)  Lipids (JL) | C213  C216 |
| Fri 01 Sept | 10.15-12.00 | Starch structure (ML)  Sign up the google spread sheet for group presentations | C212 |
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| Mon 04 Sept | 09.15-12.00  13.15-15.00 | Change to Carbohydrate II (HH)  Enzymes (SK) | C212  C212 |
| Tue 05 Sept | 10.15-12.00 | Vitamins lipid soluble (HH) | C212 |
| Wed 06 Sept | 10.15-12.00 | Vitamins water soluble (HH)  Submit colours and flav. presentation | C212 |
| Thu 07 Sept | 10.15-12.00  13.15-15.00 | Minerals (GZ)  Bioactive compound (GZ) | Recorded lectures |
| Fri 08 Sept | 10.15-12.00  13.15-15.00 | Colors and flavors  (Group-presentation)\* (SK, JL) | Sal Q, Ulls hus  C216 |
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| Mon 11 Sept | 10.15-12.00  13.15-15.00 | Dispersed sys 1 (JL)  Dispersed sys 2 (JL) | C213  C213 |
| Tue 12 Sept | 13.15-15.00 | Minerals and bioactive compounds seminar (GZ) | C212 |
| Wed 13 Sept | 9.15-12.00 | *Self-study* |  |
| Thu 14 Sept | 09.15-17.00 | *Lab Emulsions\* (MJ, JA) \* BÖL*  *Hand in Emulsion lab report 17:00* | BÖL 1 |
| Fri 15 Sept | 10.15-12.00  13.15-15.00 | Rheology (SB)  Rheology / Texture (SB) | C213  C213 |
|  |  |  |  |
| Mon 18 Sept |  | *Self-study* |  |
| Tue 19 Sep |  | *Self-Study* |  |
| Wed 20 Sept | 9.15-17.00 | *Self-study* |  |
| Thu 21 Sep |  | *PBL protein gelation (MJ, JA) \* (digital)*  *Hand in PBL protein gelation report 17:00* |  |
| Fri 22 Sep | 10.15- 11.00 | Starch Gels\* (SB, JL)  *Self-study (digital lab-chem Lab-films)* | zoom |
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| Mon 25 Sep | 9.15 - 17.00 | Chemistry Lab\* (JA, MJ, JL, SK ) | MEKÖL K 2+3 |
| Tue 26 Sep | 9.15 - 17.00 | Chemistry Lab \* (JA, MJ, JL, SK ) | MEKÖL K 2+3 |
| Wed 27 Sep |  | *Self-study* |  |
| Thu 28 Sep | 9.15 - 17.00 | Chemistry Lab \* (JA, MJ, JL, SK ) | MEKÖL K 2 + 3 |
| Fri 29 Sept | 9.15 - 17:00 | Chemistry lab  Lab cleaning\* (Afternoon)  *Possibility to ask questions about lab report*  (JA, MJ, JL, SK ) | MEKÖL K 2 + 3 |
|  |  |  |  |
| Mon 02 Oct | 9.15-17.00 | Starch Gels lab (in groups) (SB, Jing)\*  BÖL | BÖL 1 |
| Tue 03 Oct |  | *Self-study* |  |
| Wed 04 Oct | 9.15-12.00 | *Self-study* |  |
| Thu 05 Oct | 9.15 - 12.00 | Discussion Gels and Emulsions\* (JA, MJ) (seminar) | C216 |
| Fri 06 Oct |  | *Self-study* |  |
|  |  |  |  |
| Mon 09 Oct |  | *Hand in final version of PBL protein gelation and emulsion lab reports 17:00* |  |
| Tue 10 Oct |  | *Hand in Starch gels report 17:00* |  |
| Wed 11 Oct |  | *Self-study* |  |
| Thu 12 Oct | 13.15 – 16.00 | Presentation Chemistry Lab report\* (SK) (Seminar) | C213 |
| Fri 13 Oct |  | *hand in first* Chemistry Lab *Report*\* *18.00* |  |
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| Mon 16 Oct | 9.15 -10.00  10.15-11.00 | X-ray (HH)  Tomography (JA) | C212  C212 |
| Tue 17 Oct | 9.15 -12.00 | Submit presentation/lecture |  |

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| Wed 18 Oct |  | *Self-study* |  |
| Thu 19 Oct | 10.15-12.00  13.15-15.00 | Presentations/lectures  (Group-presentation)\* (SK, JL) | C213  C213 |
| Fri 20 Oct |  | Self-study  (*Chemistry Lab report back with comments*) |  |
|  |  |  |  |
| Mon 23 Oct |  | *Self-study*  *Final Hand in Chemistry Lab Report\* 18.00* |  |
| Tue 24 Oct |  | *Self-study* |  |
| Wed 25 Oct |  | *Self-study* |  |
| Thu 26 Oct |  | *Self-study* |  |
| Fri 27 Oct |  | *Exam* |  |
|  |  |  |  |
| Mon 30 Oct | 10.00-12.00 | *Wrap up, evaluation*  *Class meeting\* (SK, JL)* | Sal Y, Ulls hus D-blocket |
| Mon 11 Dec |  | *Re-Exam* |  |

\* Mandatory

# Teachers

GZ - Galia Zamaratskaia, SLU, [Galia.zamaratskaia@slu.se](mailto:Galia.zamaratskaia@slu.se)

HH - Henrik Hansson, SLU, [Henrik.Hansson@slu.se](mailto:Henrik.Hansson@slu.se)

JL - Jing Lu, SLU, [jing.lu@slu.se](mailto:jing.lu@slu.se)

ML - Maud Langton, SLU, [maud.langton@slu.se](mailto:maud.langton@slu.se)

SB - Santanu Basu, SLU, [santanu.basu@slu.se](mailto:santanu.basu@slu.se)

SK - Saeid Karkehabadi, SLU, saeid.karkehabadi@slu.se

# Lab-assistents

JA - Jaqueline Auer, SLU, [jaqueline.auer@slu.se](mailto:jaqueline.auer@slu.se)

JL - Jing Lu, SLU, [jing.lu@slu.se](mailto:jing.lu@slu.se)

MJ - Mathias Johansson, SLU, [mathias.johansson@slu.se](mailto:mathias.johansson@slu.se)

SZ Sunera Zulficar Nurmomade, SLU, [sunera.zulficar.nurmomade@slu.se](mailto:sunera.zulficar.nurmomade@slu.se)

**Rooms**

Sal C212, Biocentrum

Sal C213, Biocentrum

Sal C216, Biocentrum

Sal Q, Ulls hus B-blocket

Sal Y, Ulls hus D-blocket

MEKÖL - Mark vatten miljö övningslab

Tentamenssal, Undervisningshuset

Link to the zoom-room for all the online sessions

<https://slu-se.zoom.us/j/66615256445> Passcode: foodchem22