EACH Winter School 2017

Erken laboratory (Sweden) 23-27.01.2017

EACH in brief

University of Tartu
Fundamentals of analytical chemistry, metrology in chemistry, quality assurance, socio-economic aspects

Year 1: Fundamentals + Placement 60 ECTS

Uppsala University
Organic and bioorganic analysis, advanced separation methods, mass spectrometry

University of Lyon
Industrial analysis, process control and monitoring

Åbo Akademi
Advanced analytical devices, sensors, miniaturization, electrochemistry

Year 2: Specialisation + Master's thesis 60 ECTS

23/01/2017

EACH Winter School 2017
EACH: Why?

- One of the few of its kind
- Oriented towards job market
  - Metrology/quality
  - Socio-economical aspects
  - Study tracks tailored to „frontier“ areas
- Strong links with practitioners

... This reveals a larger demand from the job market for analytical chemists than the supply by higher education institutions. R. Salzer et al. *Anal. Bioanal. Chem.* 2014, 41, 9921-9935. *Education and careers of European analytical chemists*

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Jobs/career worldwide

Conclusion: the jobs of chemists are largely in analytical chemistry

*ACS Employment and Salary Survey 2011*
Aims of Winter School

• Meeting between 1st and 2nd year students
  – Information „from students to students“
• Study tracks / Second year universities
  – Selecting students to study tracks
• Broaden your knowledge
  – Links between analytical chemistry and other disciplines
• Team work
  – You will solve tasks in teams

Website

• Updated information:
  – http://www.ut.ee/EACH/each-winter-school/
• Teachers: any materials you want to distribute: send me
  – lvo.leito@ut.ee
Important information:

• **1st year students:**
  – Study track preferences by the interview (put in slides)
  – All three universities, on scale 1-10 (10 is the preferred)
  – **Example:**
    
    ![Example Scores](image)
    
    – We will have a session on spring timetable

• **2nd year students**
  – Master theses
  – Doctoral studies

• **All students:**
  – Feedback surveys after the Winter school

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Selecting 1st year students for study tracks

– **Final decisions** are made during the Winter School
– Students are selected taking into account
  • Your preference
  • Weighted average grade of compulsory courses obtained during the first semester at Tartu
  • Interview during Winter school
    – Convincing motivation of your preference
  • (Knowledge of local language)
Aspects for you to take into account in stating study track preferences

- **Research fields** in II year universities
- **Competition** for the II year universities
  - UU more popular than others
- **Cost of living** in the respective country
- **Your language** skills and what language you have studied at Tartu
  - France vs Finland/Sweden
- **Other links** you may have with France, Finland or Sweden

We wish you successful Winter school!