



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PFG0061 Biorefinery Pilot Research, 7.5 credits

Syllabus approved

2018-02-16

Subjects

Technology

Education cycle

Third cycle

Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

English

Prior knowledge

None

Objective, including learning outcomes

Students will gain:

- A technical overview of the biorefinery technologies represented in pilot/demo scale facilities within the Bio4Energy environment, and knowledge on how to get

access to them

- Insight in various approaches for physical upscaling of research facilities and examples of challenges and benefits when performing research in larger scale
- Understanding of the societal landscape for taking biorefinery research to implementation
- Access to interdisciplinary exchange of knowledge and ideas through networking activities with other PhD students within the B₄E graduate school

Content

On-site at pilot and demo facilities: Demonstrations, lectures, interactive seminars

- Biorefinery pilot and demo R&D – National and international outlook, technical innovation system concepts, knowledge and skills of importance in pilot and demo R&D: Lectures, literature, interactive seminars
- Technology up-scaling within my own research field: Group/individual work to describe, compare, and discuss the current state-of-the-art (approaches, bottlenecks, actor constellations, etc.) – written report and examination seminar

Requirements for examination

Examination Seminar and workshop. Upscaling of own research project.

Additional information

The Bio₄Energy Graduate School will provide meals and accommodation (hostel standard, shared rooms) for all participants at each gathering. Travelling to gatherings is organized by participants themselves.

Application

Apply to the course by filling in the application form at <http://www.bio4energy.se/education/bio4energy-graduate-school/biorefinery-pilot-research/127-education/education-in-bio> before March 1st.

For questions regarding the course, contact Sylvia Larsson sylvia.larsson@slu.se

Responsible department

Department of Forest Biomaterials and Technology