Linnæus University

Course syllabus

Faculty Board of Science and Engineering
School of Engineering

1BT009 Bioenergiteknik, 7,5 högskolepoäng
Bioenergy Technology, 7.5 credits

Main field of study
Bioenergy Technology

Subject Group
Bio Engineering

Level of classification
First Level

Progression
G1N

Date of Ratification
Approved by Organisational Committee 2009-11-16

The course syllabus is valid from autumn semester 2010

Prerequisites
General entry requirements and Chemistry A, Mathematics D, Physics B or Chemistry 1, Mathematics 3c, Physics 2 (Field-specific entry requirements 8/A8).

Expected learning outcomes
After the course, the students shall be familiar with the terminology within the subject and they shall have an insight in how the processes in a biofuel-based energy system interacts and influences each other.

Content
The course treats:
• The fundamentals of energy
• Biofuel production and its limitations
• Processes for upgrading
• Combustion technology

Type of Instruction
The course is delivered via web-based learning.

Examination
The course is assessed with the grades Fail (U) or Pass (G).
On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Having successfully completed individual assignments as well as participating actively in the discussions.

Course Evaluation
A written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the department.

Credit Overlap
This course cannot be part of a degree in combination with another course in which the content fully or partly correspond to the content of this course: Overlaps entirely with BTA811.

Other
On request, a Swedish University course certificate will be awarded upon successful completion of the course.

Upon request, a Swedish University degree will be issued upon successful completion of the full demands for that degree.

Required Reading and Additional Study Material

The literature is distributed via the web and consists of texts from the department.