



**Kampuksena koko maailma.
Learning unlimited.**



South-Eastern Finland University of Applied Sciences (Xamk) Degree of Forestry in change?

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This is not going to change



ARCTIC OCEAN

NORWEGIAN SEA

FINLAND

• MIKKELI

★ HELSINKI

SWEDEN

NORWAY

ESTONIA

RUSSIA

LATVIA

NORTH SEA

DENMARK

BALTIC SEA

LITHUANIA

RUSSIA

UNITED KINGDOM

• EBERSWALDE

BELARUS

GERMANY

POLAND

Location



- **Mikkeli**
- **250 km from Helsinki to north-east**
- **2½ hours by train**
- **About 50 000 inhabitants**
- **Lots of forests and lakes around**

Campus

- About 4000 students
- Multi-disciplinary campus (health care, economics, technology, forestry, environmental engineering etc.)



Department of Forestry, Food Technology and Environmental Engineering

- About 400 students
- 15 % of them abroad (Vietnam, EU-countries)
- Training forest 15 km from campus



This valid for two more years

METSÄ

– package of six studycourses, 30 cr

- Spring semester
- On-line studies for orientation (end and start of semester overlaps in many universities).
- Opportunity to see the best season in Finland. Natures rush from snow to blossoming.
- Smooth move to internship / exam period / next semester / vacation, because of closing on-line-course.



Courses for Exchange students – in English

- Finnish forestry
 - Logistics and chain of custody in sustainable forest-based bioeconomy
 - Harvesting techniques in sustainable Nordic forest-based bioeconomy
 - Possibilities of forest energy (eLearning)
- Business opportunities in forest-based bioeconomy
 - Insights into forest ecology, bioeconomy and culture (eLearning + contact)
 - Entrepreneurship in forest-based bioeconomy
 - Business operations in forest-based bioeconomy
- 5 ects / course, all together 30 ects

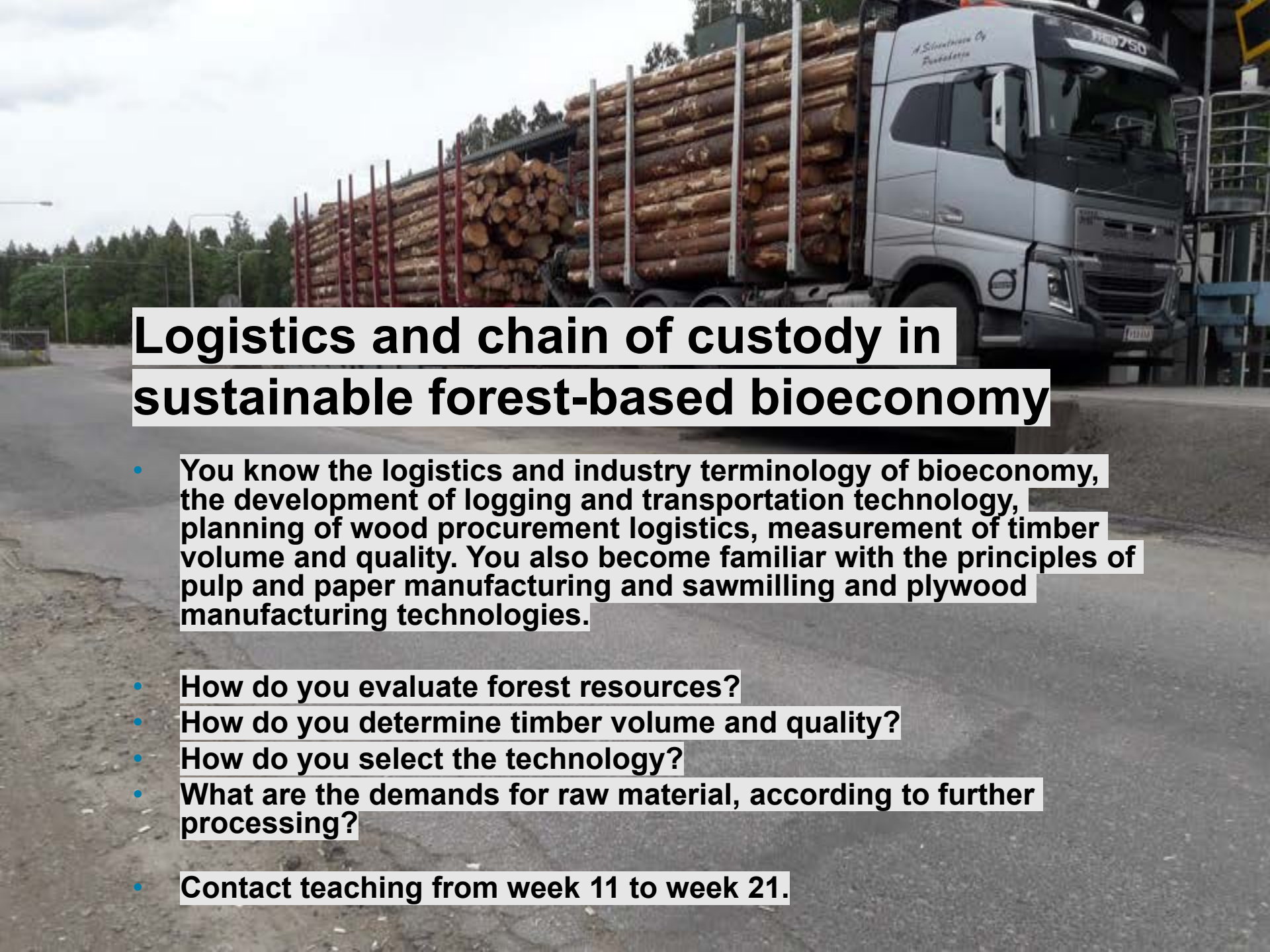


Insights into forest ecology, bioeconomy and culture (eLearning + contact)

- You know forest both as an ecosystem and as an economic, material and recreational resource.
- You also learn about Finnish culture and nature relation.
- How do you identify common trees and forest plants?
- What methods do you know for evaluating the potential of forest resources?
- How do you orientate in forest terrain?
- What are everyman's rights?
- The first part (4 credits) is studied independently online from week 2 onwards.
- The second part (1 credit) includes contact teaching on Campus from week 10 onwards.

Harvesting techniques in sustainable Nordic forest-based bioeconomy

- You know the principles of the Nordic cut-to-length system.
- You are familiar with the advanced technology applied.
- You can evaluate forest stands prior to harvesting and after harvesting.
- You can select the technology for logging.
- You know the principles of machine-terrain interaction.
- How do you evaluate a forest stand?
- How do you select logging technology?
- How do you evaluate performance?
- How do you improve performance?
- Contact teaching from week 11 to week 21.



Logistics and chain of custody in sustainable forest-based bioeconomy

- You know the logistics and industry terminology of bioeconomy, the development of logging and transportation technology, planning of wood procurement logistics, measurement of timber volume and quality. You also become familiar with the principles of pulp and paper manufacturing and sawmilling and plywood manufacturing technologies.
- How do you evaluate forest resources?
- How do you determine timber volume and quality?
- How do you select the technology?
- What are the demands for raw material, according to further processing?
- Contact teaching from week 11 to week 21.

Entrepreneurship in forest-based bioeconomy

- You understand the role of entrepreneurship in forest-based bioeconomy.
- You understand entrepreneurship from the viewpoints of individuals, organisations and societies.
- You can identify potential business ideas as well as employment opportunities in the field of bioeconomy.
- You can make a business plan and develop and use relevant tools to market a company.
- You know the basics of financial management in companies (calculations of profitability and pricing).
- What is the role of entrepreneurship in forest-based bioeconomy?
- How do you make a business plan and develop and use relevant tools to market a company?
- Contact teaching from week 11 to week 21.





Business operations in forest-based bioeconomy

- You can plan a service product.
- You know the most important factors influencing forest-based bioeconomic service production.
- You know customer-oriented thinking.

- How to design a service product?
- What are the most important factors influencing service production in forest-based bioeconomy?
- What is customer-oriented thinking?

- Contact teaching from week 11 to week 21.

Possibilities of forest energy (eLearning)

A photograph of a forest in winter. In the background, a large blue harvester is working on a tree. In the foreground, several workers wearing hard hats and high-visibility vests are standing and observing. The ground is covered in snow, and the trees are mostly bare.

- You can describe the systems of harvesting and transporting energy wood.
- You can evaluate the technical, economic and ecologic sustainability of energy wood production.
- You can estimate the consequences of policy changes for the forest sector.
- How to choose energy wood harvesting sites?
- How do you select the harvesting system?
- How do you transport and handle energy wood?
- How do you organise the storage of energy wood?
- This course is studied independently online. The course is available online from week 18 onwards.

There is over all restructuring of all curruculums in Xamk. Big structural changes.

Compulsory studies in Finnish are now finalized.

Now is time for optional studies and studycourses in English.

Plans for future?

- Studycourses in English both autumn and spring semesters
- Studycourses to atract larger audience and regular realization
- Decisions will be made January-February

For further information, ask

- Responsible lecturer
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Visit

<https://www.xamk.fi/en/>



Tunne huomisen - All for the future.