Course plan

Course title: Frequency Converters
Course code: ELA14SS02
Credit points: 3 cr
Language: Swedish
Degree programme: Electrical Engineering

Competence- and assessment matrix

Specific competence	Grade 1	3	5
1. Inverters	Know the different types of DC/AC converters	Being able to describe how to control the range of voltage	Able to explain the function of control circuits and make calculations at specific loads
2. Different types of frequency converters	Know the different principles	Being able to describe the behavior at different load requirements	Mastering the estimates of losses from the use of frequency converters
3. The use of frequency converters	Know the advantages and disadvantages when using frequency converters	Can explain the advantages and disadvantages in theory	Can describe the occurrence of harmonics and what this means, and to describe and calculate filter circuits