

## Grading criteria: Ecology & Management of Diseases and Pests of Forest Trees, SG0225

Goal	3	4	5
The student can identify and recognize the common pathogenic fungi and insect pests in Northern Europe	The student can identify the common pathogenic fungi and insect pest in Northern Europe and describe the damages they cause to their host		
The student can identify and recognize some of the most important pests and pathogens to trees worldwide	The student can identify some of the most important tree pests and pathogens worldwide and describe the damages they cause to their host		
The student can estimate the risk for outbreak of diseases and pests, and analyse and propose methods to counteract disease or pest outbreak	The student can account for the main features in the biology caused by important pathogens and pests, explain how they are affected by different regulating factors, investigate possible reasons behind an outbreak in a given situation and suggest appropriate control measures	The student can account for the biology and damage caused by important pathogens and pests, explain possible reasons behind outbreaks in a given situation and suggest and motivate appropriate control measures	The student can explain the biology of and the damage caused by important pathogens and pests, explain how they are affected by different regulating factors, investigate and explain possible reasons to an outbreak. The student can suggest and motivate appropriate control measures and evaluate the short and long term effects.
The student can analyse important pathways for introduction of pests and diseases	The student demonstrate knowledge on the most important routes for introduction of pest and diseases in forest ecosystems.	The student discusses the relative importance of different routes for introduction of pest and diseases in forest ecosystems.	
The student can analyse the impact of environmental changes and stress on important pest and pathosystems	The student can account for potential effects of environmental changes on important pest and pathosystems, exemplify how environmental changes influence the biology of major pests and pathogens and suggest possible control measures	The student can account for potential effects of environmental changes on the biology and damage by important pest and pathosystems, exemplify and explain how environmental changes influence the biology of major pests and pathogens and suggest possible control measures	The student can explain how environmental changes may impact the biology and damage by important pest and pathosystems, the students uses examples to discuss and explain how environmental changes influence the biology of major pests and pathogens and to suggest possible control measures
The student can synthesize recent research findings from the area, both orally and written	The student demonstrates an ability to synthesize recent research findings from the area, both orally and written		