



Course Name: Stand to Continental Forest Health Management		Coordinator: Carlos Colinas
Semester: 1	ECTS: 5	Instructors: Carlos Colinas

Website: <https://cv.udl.cat/portal/site/XXXXXX-1718> to be determined

Course recommended for Track:

1. Decision support systems for resource management
2. X Resource management for ecosystem services
3. Spatial and Ecological Modelling
4. Resource economics and policy

Previous knowledge required:

Basic forest management and silviculture. Basic biology, including microbiology and mycology.

Goals:

Gain awareness of the threats that forest pathogens pose to forests and society  
Understand basic concepts of pathogens biology and epidemiology  
Become familiar with forest health management options

Learning Outcomes:

Recognise the pathological origin of a problem in the forest.  
Prescribe plans to address problems caused by diseases  
Take into account possible future diseases at forest planning stage  
Read and interpret forest pathology literature.  
Communicate with forest pathology experts.

Contents:

Introduction

<p>Background</p> <p>Conditions that predispose to disease</p> <p>Disease Control</p> <p>Leaf and shoot diseases</p> <p>Stem diseases</p> <p>Root diseases</p>
<p>Learning Activities (Methods and Planning):</p> <p>Reading text books and primary literature</p> <p>Elaborating reading reports</p> <p>Elaborating disease cards</p> <p>Elaborating a management plan</p>
<p>Evaluation System:</p> <p>Reading reports 30%</p> <p>Disease cards 30%</p> <p>Management plan 40%</p>
<p>Bibliography:</p> <p>Main textbooks</p> <p>Tainter, F.H.; Baker, F.A. 1996 Principles of forest pathology. John Wiley &amp; sons, Inc. N.Y. USA.</p> <p>Agrios, G.N. 2005 Plant Pathology, 5th ed. Elsevier Academic Press, Amsterdam.</p> <p>Manion, P.D. 1991 Tree disease concepts. 2nd edition. Prentice-Hall, Inc., N.J. USA</p> <p>Primary literature</p> <p>To be determined</p>