

Management of Pests, Diseases and Weeds

The course is given as part of the Horticulture Programme

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| Subject | Biology |
| Level | C (advanced) |
| Credits | 15 ECTs |
| Marking Scale | the student can choose "Passed/Failed" or "ECTs" as a marking scale |
| Prerequisites | The equivalent of 40 Swedish University Credits (SUC) in biology |
| Objective | The course will give fundamental understandings of application of such basic disciplines as biology, ecology and technology for environmentally sound and sustainable management of pests, diseases and weeds. The course will follow up on species knowledge and principles from basic plant protection courses aiming at management programs that are logical, practical and possible to adopt by farmers. |
| Content | Plant protection management relies on a profound knowledge of the biology and ecology of the causal organisms and of the crop ecology where they act. Important problems with pests, diseases and weeds especially in horticulture will be addressed both traditionally and within the concept of integrated pest management (IPM) and ecological farming. The students will learn how to incorporate subdisciplines of plant pathology, entomology, nematology and weed sciences (epidemiology, etiology, population ecology, microbial pathogenicity, competition etc.) into management programs that are logical practical and adoptable by farmers. |
| Implementation | Lectures, seminars, individual project work and excursions |
| Literature | Required reading is assigned by the responsible department. Current information about course literature should be available at the latest one month before the start of the course. |
| Examination | Oral and written reports of individual and/or group project work. Participation in excursions. |
| Course Credit | Assessments of contribution to individual project work |
| Responsible Department | Plant Protection Biology |
| Location | Alnarp |