



Advances in Vegetable Production

This course, the third of a series on vegetable production, provides deep scientific knowledge on specific issues, advanced production technologies of vegetable crops and innovative interventions with focus on economic, environmental, and social sustainability. It aims to enable students to independently and comprehensively identify and analyze factors affecting the efficiency of the farming system, resolve dilemmas, undertake activities for solving problems, use state of the art technology and operate high tech equipment. Also, to explore opportunities and face challenges not only for maximizing the productivity and profitability, but also considering food security and safety for the present and the foreseeable future. Laboratory training is a major part of the course, including hands-on practicals on the main vegetable production systems in greenhouses or in open fields. Students plan and execute field and laboratory experiments and operate high tech laboratory equipment for plant feature measurements and tissue analysis. An all-day visit to a nursery and a vegetable production and post-harvest handling, vertical integration enterprise in our region completes the course.