



### **Introduction to Agricultural Sciences**

Introduction to crop sciences, covering the principles and practices of the main production systems, and their dynamics and interactions with the environment. Students are provided with a broad overview of the components and complexities of the main cropping systems. Fundamental crop production practices in relation to productivity and sustainability are also analyzed. Current food security concerns and relevant environmental issues resulting from the global food web are complemented with historical elements, human and resource requirements, as well as key challenges for the foreseeable future. Also, strategic plans for innovative production methods and procedures in the form of adaptive combinations of tools, materials, methods, and human resources involved. The course is concluded with a lay out of the importance of quality higher agricultural education and the crucial role of the qualified agronomist in the practice of modern sustainable agriculture.