

Georg-August-Universität Göttingen Module M.Agr.0003: Agribusiness Sugar Beet- an advanced education for graduate students and junior employees of the sugar supply chain (English)	6 C
Learning outcome, core skills: <ul style="list-style-type: none"> • profound knowledge in the following fields of the sugar value chain: breeding and other upstream sectors, technology of the sugar and bioethanol industry and biogas production, other downstream sectors, sugar market, agricultural policy • detailed identification of causal relationships in the process management on the basis of recent scientific knowledge • knowledge enhancement by interpreting scientific figures and tables and their statistics • opportunity of an advanced education particularly suitable as an on-the-job training program • opportunity to develop a professional network with other graduate students and external participants from different professional backgrounds and sugar beet growing areas worldwide 	Workload: Attendance time: 54 h Self-study time: 126 h
Course: Agribusiness Sugar Beet - an advanced education for graduate students and junior employees of the sugar supply chain (English) (Block course, Lecture, Excursion) <i>Contents:</i> In comparison to other cash crops the refining of sugar from sugar beet is characterized by a considerable degree of cooperation between agriculture and food industry. Consequently all specific impacts of the entire production chain of sugar from beet are covered by this module as there are plant breeding, soil cultivation, growing impacts from sowing to harvest including all technical and cultivation aspects, crop yield, extension services, weed control, pathogen and pest management, precision agriculture, as well as definition and analysis of the technical quality, processing technology of sugar beets, logistics of harvest and transportation, global trade, sugar as food and its marketing. The module consists of lectures by invited speakers and lecturers of the Institute of Sugar Beet Research, work shops, field trips and excursion.	
Examination: Oral examination (approx. 30 minutes) Examination requirements: Knowledge of the sugar value chain and understanding of different influences on the system on the basis of the latest scientific insights.	6 C
Admission requirements: none	Recommended previous knowledge: none
Language: English	Person responsible for module: Anne-Katrin Mahlein
Course frequency: each summer semester	Duration: 2 Weeks

Number of repeat examinations permitted: twice	Recommended semester:
Maximum number of students: 25	