

BSC Horticulture, 2020 fall semester
3ME13NAK02 MEDICINAL PLANT PRODUCTION -Program

LECTURES + Practices (Tuesday, 14-18h) Until 6 October in person (room: K3) after that online at SZIU e-learning platform	
8.Sept. General measures and methods of cultivation, repetition of basic definitions, methods of preparation of production plan, distribution of individual cultivation projects	
15.Sept. Overview on the MAP production in different regions of the world, requirements of up-to date production, new trends, general and special processing and utilisation areas, commercial data	
<i>30 Sept-1 Oct. Field practices (Sóskút)</i>	
6.Oct. Significance and role of cultivar use, characteristics of MAP cultivars and breeding Propagation materials and their quality	
13.Oct. Further species of the Lamiaceae family (characteristics of species and drugs, cultivation and postharvest technology): Lavandula, Rosmarinus, Salvia, Thymus	
20.Oct. Important species producing essential oils (characteristics of species and drugs, cultivation and postharvest technology): Mentha, Ocimum, Origanum, Eucalyptus, Cymbopogon	
27.Oct. <i>Autumn holiday</i>	
3.Nov. Species used by the pharmaceutical industry (general info + species, their characteristics, use and cultivation): Papaver, Ginkgo, Catharanthus, Senna	
10.Nov. Species of large-scale technology providing fruit/seed drugs (species, their characteristics, use and cultivation): Coriandrum, Foeniculum, Sylibum, Trigonella	
17.Nov. Fatty oil accumulating MAP species (general info+ species, their characteristics, use and cultivation): Carthamus, Cocos, Cucurbita, Linum, Ricinus	
24.Nov. Species of smaller scale production (characteristics of species and drugs, cultivation and postharvest technology): Aloe, Calendula, Crocus, Matricaria, Nigella	
1.Dec. Species providing root drugs and others (species, their characteristics, use and cultivation): Echinacea, Glycyrriza, Panax, Artemisia annua	
8.Dec. Discussion and evaluation of the individual cultivation projects	

3ME13NAK02 Medicinal plant production
BSc course, 2020/21, fall semester
COURSE REQUIREMENTS

Until 6 October in person, after that online at SZIU e-learning platform!

Course criteria (To obtain term mark. Without fulfilling them students are not allowed to register for the exam and the course must be repeated)

- Class attendance during the whole semester is highly recommended.
- Participation at the field practice is compulsory (Sept 30th or Oct 1st)-bus starts from building K at 8 o'clock!
In case of absence only medical justification is accepted and the practice must be implemented in Soroksár MedPlant field individually until 15 October!
- Preparing the individual task about varieties until 30th October. Guideline is announced in the e-learning platform.
- Preparation of cultivation project until 4th of December. Guideline is provided in the e-learning platform.

Exam:

- the exam consist of a written (online) and an oral part (online), where a successful 1st written part is a prerequisite of the 2nd part (both exams are to be taken applying the e-learning platform of the course, via BigBlueButton created for „Exam”)
 - 1st written part includes
 - drug identification of 6 plant drugs (indicating the Latin and English drug name with chief compound)
 - plant identification from a photo (where the Latin and English name, plant family and life-form is to be given by the student)
 - 2nd part (online, oral) includes 2 questions from the list available on the Department website
- if the 1st written part is failed, the student cannot participate in the 2nd part of the exam and the complete exam is to be repeated
- if the 1st written part is successful but the 2nd part is failed, the complete exam is to be repeated
- if the written part is successful but the oral part failed, the complete exam is to be repeated

Learning material (available in SZIE e-learning system)

- The list of plant species and drugs for the written exam is available from the e-learning platform. For practicing the following study material imay also provide some help: <https://elearning.szie.hu/course/view.php?id=3166&lang=en>
- Study book: Bernáth J., Gosztola B., Pluhár Zs., Radácsi P., Szabó K., Zámboriné Németh É. (2018) Medicinal plants and spices
- Handouts of the lectures and additional materials

Budapest, 01 September, 2020

Zámboriné Dr. Németh Éva
course leader