


Discipline	<b>Plant Production – part 2 (Technical and essential oil crops) summer semester</b> code: 35		
Specialty	Agronomy		
ECTS credits: 6	Form of assessment: Exam		
Lecturer	Prof. Dr. Dragomir Plamenov  Room 429 Phone: +359 52 383 670 E-mail: dplamenov@tu-varna.bg dplamenov@abv.bg		
Department	Plant Production		
Faculty	Faculty of Manufacturing Engineering and Technology		
<b>Learning objectives:</b> The course "Plant Production – part 2 (Technical and essential oil crops)" aims at the study of technical cultures and plants rich in essential oils. The resulting seeds, root crops, tubers, fiber, stems, flowers, leaves serve as a raw material for technical processing in various industries. Depending on the nature of the resulting production, they are differentiated into tuberose, root, fiber, oil, essential oil and flavor crops. The aim of the course is to provide students with sufficient information to know the basic technical and essential oil cultures and the technology of their cultivation. Structurally determining issues will be the biological characteristics of the individual plant species in close connection with the practice: type of development, type of inflorescence, fruit, seed and breeding patterns. Emphasis will be placed on the most important aspects of agro-technology: precursors, soil preparation, sowing, weed control, pests and diseases, harvesting.			
<b>CONTENTS:</b>			
	Training Area	Hours lectures	Hours seminar exercises
	Technical cultures (root crops, club crops, fiber crops, oilseeds crops, flavoring crops – for each crop are considered: origin and importance, morphology and biological requirements, features in agricultural technology, variety composition).	15	15
	Essential oil crops (rosa kazanlika, lavender, mint, fennel, anise, coriander, caraway, cumin, dill - for each crop are considered: origin and importance, morphology and biological requirements, features in agricultural technology, variety composition).	15	15
	<b>TOTAL:</b> 60 h	<b>30</b>	<b>30</b>