

01S1- SZURO1

CROP PRODUCTION I

ECTS: 3.5

HOURS PER SEMESTER/WEEK: LECTURES: 30/2; CLASSES: 30/2

COURSE CONTENTS

LECTURES: Habitat conditions of yielding. Different conditions of cultivation technology and raw material quality. Agrotechnical requirements (forecrop, tillage, sowing, fertilization, care, harvest) - legumes and industrial plants. Ranking of fodder plants. Economic and energetic conditions of the right technology of legumes and industrial plants. Technology and raw material quality, food adulteration during primary production. Review of domestic and foreign results of agrotechnical research on legumes and industrial plants.

CLASSES: Morphological and anatomical structure of agricultural plants. Biology of growth and development of plants - legumes, oilseeds, fibrous, special. Diagnostics and identification of species and types on the collection.

EDUCATIONAL PURPOSE: Getting to know the detailed principles of growing legumes, oilseeds, fibrous and special plants. Acquiring the ability to monitor the process of plant growth and development, as well as to assess the quality of crops.

LEARNING OUTCOMES

Knowledge. The student demonstrates the knowledge of the biology and agrotechnics of crops and factors influencing the quality of the raw material. The student has an elementary knowledge of the size of world and domestic plant production. The student models the quality of the raw material through the selection of agrotechnical factors.

Skills. The student identifies the seeds and species of cultivated plants in various stages of development. Has the ability to design the production process of all groups of agricultural plants.

Social competences. The student recognizes and resolves dilemmas related to the profession. Is aware of the professional responsibility for food production.

TEACHING FORMS AND METHODS

Lectures. Information lecture with multimedia presentation.

Classes. Auditorium exercises: presentation method, field exercises.

FORM AND CONDITIONS FOR VERIFICATION OF LEARNING OUTCOMES

Lectures. Written test - credit with a grade.

Classes. Auditorium exercises: presentation method, field exercises.

BASIC LITERATURE

1) Kotecki A., Uprawa roślin, wyd. AR Wrocław, 2020. 2) Szempliński W., Rośliny rolnicze, wyd. UWM Olsztyn, 2012.

ADDITIONAL LITERATURE

1) Collective work, Market Analyzes IERiGŻ - PIB, ed. ARR, Ministry of Agriculture and Rural Development, Warsaw; 2), internet database, "FAOSTAT, EUROSTAT, GUS, COBORU"

THE TEACHER/S CONDUCTING THE CLASSES:

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