

## FORAGE CROPS (IV<sup>rd</sup> Year of study, VIII<sup>th</sup> semester)

**Credit value (ECTS): 3**

### **Course category:**

Disciplină de domeniu (obligatorie)

### **Course holder:**

Prof. univ. Dr. SAMUIL Costel

### **Discipline objectives (course and practical works):**

Description and use of concepts, theories and methods based on technologies of forage plants; Explanation and interpretation of the principles and methods used in technological processes of forage conservation; Monitoring and control of technological processes during storage of agricultural products plant identifying abnormal situations and proposing solutions; Evaluation under existing standards, performance monitoring technologies through systems of production and forage conservation.

### **Contents (syllabus):**

<b>Course (chapters/subchapters)</b>
FORAGE PLANTS
Annual grasses forage: corn, barley, oat, rye, sorghum, sudangrass, rye grass, millet, foxtail millet.
Annual legumes forage: common peas, forage peas, soy, bird vetch of spring, bird vetch of autumn, faba bean, lupine;
Melons forage: pumpkin, zucchini, watermelon forage.
Tuberculifere and forage roots: mangel-wurzel, carrot, forage turnip, sugar beet, potato, topinambour.
Successive cropping, bee plants and other forage plants.
CONVEYER GREEN
FORAGE SILAGE
<b>Practical works</b>
Morphological characters annual forage grasses: corn, barley, oat, rye, sorghum, sudangrass, rye grass, millet, foxtail millet.
Morphological characters annual legume forage: common peas, forage peas, soy, bird vetch of spring, bird vetch of autumn, faba bean, lupine.
Morphological characters root tuberculifere, melons, honey plants and other forage plants.
Organizing green conveyer.
Land preparation and sowing of forage plants

### **Bibliography:**

Samuil, C., 2004 - *Tehnologii de cultură a pajiștilor și a plantelor furajere*, Editura Ion Ionescu de la Brad Iași, ISBN 973-7921-08-9.

Samuil, C., 2010, *Producerea și conservarea furajelor*, Editura Ion Ionescu de la Brad Iași, ISBN 978-973-147-055-9.

Ionel A., Vîntu V., Samuil C. 2002 – *Cultura pajiștilor și a plantelor furajere* - îndrumător de lucrări practice, Editura “Ion Ionescu de la Brad” Iași;

### **Evaluation:**

<b>Evaluation form</b>	<b>Percentage of the final grade</b>
Exam	60%
Appreciation of the activity during the semester	40%

### **Contact:**

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