

GRASSLAND MANAGEMENT AND TECHNIQUES (IIIrd Year of study, VIth semester)

Credit value (ECTS): 4

Course category:

Domain (Imposed)

Course holder:

Prof. univ. Dr. SAMUIL Costel

Discipline objectives (course and practical works):

Description and use of concepts, theories and methods based on technologies cultivated grassland and forage; explanation and interpretation of the principles and methods used in technological processes of conservation forage.

Contents (syllabus):

Course (chapters/subchapters)
Forage: definition, classification
Meadow: definition, classification, characteristics, importance
Characterization of the main groups of plant species
Principal types of meadows in Romania
Cultural simple technical works
Fertilization of permanent grassland
The destruction of woody vegetation
Weeds control
Improving the regime humidity
Erosion control
The overseeding permanent grasslands
Radical works
Practical works
Morphological and biological characteristics of flora meadow grasses
The study of genres: <i>Nardus</i> , <i>Lolium</i> , <i>Agropyron</i> , <i>Cynodon</i> , <i>Beckmannia</i> , <i>Brachypodium</i>
Grasses with panicle spiciform and panicle of genres: <i>Phleum</i> , <i>Anthoxanthum</i> , <i>Alopecurus</i> , <i>Cynosurus</i> , <i>Agrostis</i> , <i>Thyphoides</i> , <i>Calamagrostis</i>
Grasses with panicle of genres: <i>Stipa</i> , <i>Arrhenatherum</i> , <i>Holcus</i> , <i>Deschampsia</i>
Grasses with panicle: <i>Dactylis</i> , <i>Festuca</i> , <i>Briza</i> , <i>Poa</i> , <i>Bromus</i> , <i>Puccinellia</i>
The study of main fruit seeds and grasses in pastures.
Morphological and biological characteristics of forage legumes; genres <i>Medicago</i>
The study of genres: <i>Melilotus</i> , <i>Trigonella</i> , <i>genul Trifolium</i>
The study of genres: <i>Lotus</i> , <i>Onobrychis</i> , <i>Galega</i> , <i>Coronilla</i> , <i>Anthyllis</i> , <i>Vicia</i> , <i>Lathyrus</i> ; seeds of perennial forage legumes and fruits cultivated.
The study fungi, and plant juncacee consumed from other botanical families
The study uneaten plants, plant damaging vegetation
The study plant devalues animal products, toxic plant
Methods of research of the vegetation
The test to recognize the main species of forage plants and seeds

Bibliography:

Motcă Gh. și colab., 1994 – *Pajiștile României - tipologie și tehnologie*. Editura Tehnică Agricolă, București.

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:

Evaluation form	Percentage of the final grade
Exam	60%
Appreciation of the activity during the semester	40%

Contact:

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