|  |  |
| --- | --- |
| **Title and Code** of the subject: **Pasture Management and Grazing, MTMAL7008A** | **ECTS Credit Points: 4** |
| **Type** of the subject: compulsory / optional | |
| **Ratio of theory and practice: 50/50** (credit%) | |
| **Type and number of classes per semester**: 28 hour(s) lecture and 28 hour(s) practice per **semester**  Number of teaching hours / week : eg.:2+2 (lecture and practice) | |
| **Type of exam**: exam / practical course mark | |
| **Subject in the curriculum:** semester 4 | |
| Preliminary requirements:- | |

|  |
| --- |
| **Summary of content - theory**: |
| Course objectives regarding the main topics of the subject:  1. Definitions for grassland ecosystems;  2. Products and services from garsslands;  3. Effects of ecological conditions on grassland production;  4. Plants associations of grasslands;  5. plants on grasslands,  6. Grassland fertilization;  7. Irrigation on grasslands;  8. Grassland establishmant;  9. Grassland improvement and renovation;  10. Cultivation of permanent grasslands;  11. Grassland production,  12. Grass and grassland quality;  13. Grazing of grasslands;  14. Ensiling and hay making from grass. |
| **Summary of content - practice**: |
| Skills to be learnt from student individual tasks     1. Basic terminology of grasslands 2. The importance of grasslands in human life 3. Understanding the effects of natural conditions 4. Diversity and values of grassland composition 5. Means to produce more on national grasslands 6. Solutions to improve grassland quality 7. To select optimal works for maximum grassland benefits 8. Conditions determining the outputs from garsslands 9. Conditions determining the qualits of herbage from grasslands 10. Effects of grazing on the animals 11. Effects of grazing animals on grasslands 12. Factors influencing grazing methods selected 13. Key elements of high quality hay from grass 14. Key elements of high quality silage from grass |
| **Literature, handbooks in English** |
| 1. GRASS Its production and utilization (Edited by W. Holmes), Published for British Grassland Society by Blackwell Scientific Publications, Oxford, 1998, 306. p. ISBN 0-632-02461-5 2. GRASSLAND Quietness and Stregth for a New American Agriculture (Editors: Walter F. Wedin and Steven L. Fales), American Society of Agronomy Inc. etc., 2009, 256. p. ISBN 978-0-89118-171-2 3. Country Pasture Profiles (Detailed description of pastere and forage resources by country) FAO CD Publication, Rome 2005. 4. Grassland species profiles (Detailed descriptions and photos of more than 600 grassland species) FAO CD Publication, Rome 2005. |
| **Competencies gained** *(acc. to the Regulation on training and outcome requirements)* |
| 1. **Knowledge:**  * Students will have basic skills on the technical and practical knowledge of grassland management  1. **Skills:**  * Students will be able to perform practical jobs in grassland management * Student can solve practical problems in grassland management by selecting the relevant methods and tools  1. **Attitude:**  * Students may be open minded towards the new results and innovations in grassland science/management * Students may be able to transfer the role of grasslands in modern life towards the public  1. **Autonomy and responsibility:**  * Students can make a job in grassland management independently and under self-control * Student can work in grassland management with great responsibility and will be able to reflect to consequences of their activities |

|  |
| --- |
| **Responsible lecturer: Dr. Geza Nagy, professor** |
| **Other lecturer(s): -** |

|  |
| --- |
| **Terms of course completion:** |
| 1. Attending lecture and practice lessons 2. Giving presentations on practice lessons 3. Active participation in technical evaluation of the presentations by students |
| **Form of examination:** |
| To perform the individual student works during semester. |
| **Requirement(s) to get signature:** |
| Attendance at **lectures** is recommended, but not compulsory.  Participation at practice is compulsory. Students must attend the practice classes and may not miss more than three times during the semester. In case a student does so, the subject will not be signed and the student must repeat the course. Attendance at practice classes will be recorded by the practice leader. Being late is counted as an absence. In case of further absences, a medical certificate needs to be presented. Missed practices should be made up for at a later date, being discussed with the tutor. Active participation is evaluated by the teacher. If a student’s behaviour or conduct doesn’t meet the requirements of active participation, the teacher may evaluate his/her participation as an absence because of the lack of active participation in class. During the semester there are 2-3 student individual tasks (ppt presentation on technical topics)  Acceptable solutions to the student individual tasks are precondition for getting signature at the end of the semester. |

|  |
| --- |
| **Exam questions:** |
| Requirements to get a grade:  Student performances on the individual tasks will be evaluated by the lecturer each time by grades 1-5. The average of the grades got during the semester will be the final grade for the subject. |