

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Education	
Course code: KBE/Bi-BD104A/22	Course title: Botany I
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 26 / 26 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Verification of the degree of acquisition of the relevant knowledge, skills and competences of the student is carried out on the basis of theoretical and practical examinations during the semester teaching of the subject. Continuous assessment is based on the evaluation of the student's independent work, practical skills and knowledge of the student. During the semester, there will be two written tests at the exercises. A maximum of 10 points can be obtained for each test. During the semester, the student independently prepares and submits 4 assignments from practical exercises. He can get a maximum of 20 points for assignments. The final assessment consists of an oral exam. In order to participate in the exam, it is necessary to obtain at least 20 points from the checks and assignments. At the final oral exam, the student can get max. 60 points. The final evaluation will be based on the total number of points obtained from the examinations and the oral examination exams. A – 100%-94% B – 93%-85% C – 84%-77% D – 76%-69% E – 68%-60% Fx – 59%- 0%	
Learning outcomes of the course: - The student can define the basic functions of a plant organism in connection with the anatomy and morphology of plants. - The student knows practical and theoretical connections about the anatomy and morphology of the plant body. - He is able to analyze the primordial phylogenetic forms of plants with their developmental tendencies up to the present. - Develops skills in recognizing and determining individual tissues and systems of plants. - The student has the skills to use methods and procedures when working with a microscope and microscopic material during laboratory work. - The student is able to solve problems with material and laboratory equipment during laboratory exercises and practical teaching.	
Course contents: 1. Introduction to general botany 2. Principles of plant body organization. 3. Plant cell.	

4. Plant tissues
5. Classification of plant tissues.
6. Meristems
7. Root
8. Stem
9. Leaf
10. Flower
11. Introduction to palynology
12. Fruit
13. Seed

Recommended or required literature:

NOVÁK, J., SKALICKÝ, M. Botanika : cytologie, histologie, organologie a systematika. Powerprint , Praha. 2017. 344 s ISBN 978-80-7568-036-5

SEKERA, V., MÚDRY, P. Všeobecná botanika : (repetitórium). Typi Universitatis Tyrnaviensis Bratislava , Veda , 2005. 295 s. : ilustr. ISBN 80-89074-42-1

DOSTÁK, J. FUTÁK, J. NOVÁK F. A. Flóra Slovenska . I , Všeobecná časť. Vydavateľstvo Slovenskej akadémie vied Bratislava, 1966. 602 s.

BUBLINEC, E., DEMKO, J., MACKO, J. MACHAVA, J., Základy prírodného prostredia 1. časť : Pedológia Ružomberok, VERBUM - vydavateľstvo KU, 2018. - 191 s. ISBN 978-80-561-0530-6

SANIGA, M., BALANDA M. Vzťah medzi produkčnými charakteristikami biomasy a mŕtveho dreva vo vybraných vývojových štádiách pralesa npr hrončeký grúň. Acta facultatis forestalis Zvolen: 39.

HALAMOVÁ, M., SANIGA, M. 2006. Structure, production and regeneration processes in the oak primeval forest in the National Nature Reserve Boky. Folia oecol., 33: 13–26.

L BUGOŠOVÁ, M SANIGA. Structure, production, deadwood and regeneration processes in a beech primeval forest in the NNR Rožok, Slovakia Acta Facultatis Forestalis Zvolen Slovakia, 2011

Language of instruction:

Slovak, English

Notes:

Course evaluation:

Assessed students in total: 23

A	B	C	D	E	FX
26.09	26.09	4.35	17.39	13.04	13.04

Name of lecturer(s): Ing. Jozef Macko, PhD., doc. Ing. Miroslav Saniga, CSc.

Last modification: 23.08.2022

Supervisor(s):

Guarantor:

Administrátor Systému

People responsible for the delivery, development and quality of the study programme:

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