University: *University of Presov*	
Faculty/university workplace: *Faculty of Humanities and Natural Sciences*	
Code: 2BIO/EROSJVBOT/22	**Course title:** Plant Anatomy and Morphology

Type, scope and method of educational activity:
Type of educational activity: lecture/laboratory exercises
Scope of educational activity: 2.1 hours per week, 26.13 per semester
Method of educational activity: traditional (Face-to-Face) teaching

Number of credits: *4*

Recommended semester:

Winter	Biology

Study grade: *1*

Prerequisites:
none

Conditions for passing the course:
Form of assessment:
final exam test

Continuous evaluation:

Active participation in exercises, elaboration of separate protocols from laboratory exercises, collections of dried pressed leaves and dried fruits or seeds (20 + 20 pieces) which will be classified collected in Slovakian nature and successful completion of continuous test from laboratory exercises with a minimum success rate of 60%. Successful completion of the continuous test and presentation of collections of dried leaves, fruits or seeds is a condition for the final test participation.

Final evaluation:
Final exam test with minimally success rate 50%.

Learning outcomes:
Knowledge gained:
The student:
- can define and define basic concepts in general botany,
- knows professional terminology and knows how to apply it correctly
- can interpret in his/her own words the basic concepts of general botany and the relationships between them,
- can describe the internal and external structure of the different parts of the plant body,
- can explain the anatomical and morphological differences, functions, significance of the different parts of the plant body and their metamorphoses,
- can determine the basic anatomical and morphological shapes of plant organs.

Skills Acquired:
The student:
- can apply the knowledge acquired in general botany in laboratory exercises,

- can prepare and present his/her own collection of dried pressed leaves and dried fruits/seeds and justify the accuracy of its contents,
- apply the acquired knowledge in practical tasks.

Competences acquired:
The student:
- can solve professional tasks,
- can coordinate sub-activities,
- can take responsibility for the results of the team,
- can synthesize the acquired knowledge.

Course content:
- Introduction to the anatomy and morphology of plants
- Introduction to plant cytology
- Introduction to the histology of plant tissues - covering, basic and conductive tissues
- Introduction to plant organology:
    - Anatomy and morphology of the root
    - Anatomy and morphology of the stem
    - Anatomy and morphology of the leaf
    - Anatomy and morphology of reproductive organs
    - Anatomy and morphology of seed and fruit

Recommended literature:
MAUSETH, J. D. Botany: An Introduction to Plant Biology. Third edition. Jones and Bartlett Publishers, Sudbury, Massachusetts. 2003. ISBN 978-1-84076-092-7
http://blogs.ubc.ca/biol343/lectures/
http://herba.msu.ru/shipunov/school/biol_154/textbook/intro_botany.pdf
https://akela.mendelu.cz/~xcepl/inobio/skripta/skripta-Plant_Biology.pdf

Notes:

Course evaluation:
Total number of students evaluated:

A	B	C	D	E	FX

Lecturers: RNDr. Michaela Zigová, PhD.

Date of last change: 1.9.2022

Approved by: