



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Uporabne rastline in rastline v vsakdanjem življenju
Course title:	Useful plants and plants in everyday life

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Univerzitetni program 1. stopnja Ekologija z naravovarstvom/EKNA			
University programme first level Ecology with nature conservation/EKNA			

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Seminarske vaje Tutorial	Lab. Vaje Lab. Work	Teren.vaje Field work	Samost. delo Individ. work	ECTS
30				15	135	6

Nosilec predmeta / Lecturer:

Jeziki / Languages: Predavanja / Lectures:
Vaje / Tutorial:

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

- Opravljen izpit iz splošne botanike
- Opravljen izpit iz biokemije

Prerequisites:

- Exam in General Botany
- Exam in Biochemistry

Vsebina:

- Izvor kultiviranih vrst in njihovi divji predniki
- Pregled kmetijskih uporabnih rastlin
- Pregled začimb in aromatičnih rastlin
- Zdravilne rastline

Contents (Syllabus outline):

- Origin of cultivated plants and their wild relatives
- Survey of useful plants in agriculture
- Survey of spices and aromatic plants
- Medical plants

Temeljni študijski viri / Textbooks:

- Heywood, V., 1995: Cvetnice. Kritosemenke sveta. DZS, Ljubljana.
- Martinčič, A. (ed.), 2007: Mala flora Slovenije. Tehniška založba, Ljubljana.
- Petauer, T., 1993: Leksikon rastlinskih bogastev. Tehniška založba, Ljubljana.
- Raven, P. H., R. F. Evert, S.E. Eichhorn, 2005: Biology of Plants. W. H. Freeman and company Worth Publishers.

- Zohary, D., Hopf, M, Weiss, E., 2012: Domestication of Plants in the Old World. Oxford University Press.

Cilji:

- Študenti se seznanijo z različnimi rastlinskimi vrstami, ki jih človek uporablja in srečujejo v vsakdanjem življenju
- Študenti se seznanijo s predniki kultiviranih rastlin, njihovim izvorom, domestifikacijo in starimi sortami.
- Seznanijo se z uvrstitvijo in anatomskimi in morfološki posebnostmi uporabnih rastlin

Objectives and competences:

- Students learn about different useful plants, used by man in everyday life
- Students learn about the wild relatives of cultivated plants, their origin, domestication and old varieties
- Students learn about classification and anatomical and morphological peculiarities of useful plants

Predvideni študijski rezultati:
Znanje in razumevanje:

- Poznavanje uporabnih rastlin
- Prenosljive/ključne spretnosti in drugi atributi
- Prepoznavanje uporabnih rastlin v praksi

Intended learning outcomes:
Knowledge and Understanding:

- Knowledge about useful plants
- Transferable/Key Skills and other attributes
- Recognition of useful plants in praxis

Metode poučevanja in učenja:

- Predavanja
- Terenske vaje
- Individualno delo

Learning and teaching methods:

- Lectures
- Field work
- Individual work

Načini ocenjevanja:

- Pisni izpit

Delež (v %) /
Weight (in %)

100

Assessment:

- Written exam

Reference nosilca / Lecturer's references:

1. PONGRAC, Paula, VOGEL-MIKUŠ, Katarina, REGVAR, Marjana, KALIGARIČ, Mitja, VAVPETIČ, Primož, KELEMEN, Mitja, GRLJ, Nataša, PELICON, Primož. On the distribution and evaluation of Na, Mg and Cl in leaves of selected halophytes. *Nucl. instrum. methods phys. res., B Beam interact. mater. atoms.*
2. IVAJNSIČ, Danijel, COUSINS, Sara A. O., KALIGARIČ, Mitja. Colonization by Robinia pseudoacacia of various soil and habitat types outside woodlands in a traditional Central-European agricultural landscape. *Pol. J. Ecol.*, 2012, vol. 60, iss. 2, str. 301-309
3. KALIGARIČ, Mitja, MEISTER, Margit H., ŠKORNIK, Sonja, ŠAJNA, Nina, KRAMBERGER, Branko, BOLHÁR-NORDENKAMPF, Harald R. Grassland succession is mediated by umbelliferous colonizers showing allelopathic potential. *Plant Biosyst. (Firenze, Testo stamp.)*, 2011, vol. 145, no. 3, str. 688-698
4. KRAMBERGER, Branko, GSELMAN, Anastazija, JANŽEKOVIČ, Marjan, KALIGARIČ, Mitja, BRAČKO, Brigita. Effects of cover crops on soil mineral nitrogen and on the yield and nitrogen content of maize. *Eur. J. agron.* [Print ed.], 2009, letn. 31, št. 1, str. 103-109
5. KALIGARIČ, Mitja, BOHANEČ, Borut, SIMONOVIK, Biljana, ŠAJNA, Nina. Genetic and morphologic variability of annual glassworts (*Salicornia* L.) from the Gulf of Trieste (Northern Adriatic). *Aquat. bot.* [Print ed.], 2008, vol. 89, iss. 3, str. 275-282

6. KALIGARIČ, Mitja, ŠKORNIK, Sonja, IVANČIČ, Anton, REBEUŠEK, Franc, STERNBERG, Marcelo, KRAMBERGER, Branko, SENČIČ, Leon. Germination and survival of endangered *Pulsatilla grandis* (Ranunculaceae) after artificial seedings, as affected by various disturbances. *Isr. j. plant sci.*, 2006, vol. 54, no. 1, str. 9-17