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| **Title** | Plant Systematics and Taxonomy | | |
| **Code** | 3NT20NAK23B | | |
| **Prerequisites** | Plant Morphology | | |
| **Description** | Background of plant systematics: historical and modern systems including theory of cladistics. Nomenclature of native and cultivated taxa. Recent molecular based phylogeny of plants (APGIII): description and overview of the plant families and taxa therein with special account on their horticultural importance | | |
| **Lecturer** | Mária Höhn, Sándor Barabás, Zsolt Erős-Honti, Endre György Tóth | | |
| **Semester** | 2nd, spring | **Contact hours/week** | 2+2 |
| **Level** | BSc | **ECTS** | 5 |
| **Teaching and Learning Methods:** | Students should get acquainted with the topic elaborated during the lectures and should become familiar with plant species presented during the practical by proceeding the information on their taxonomical characteristics, distribution and use. | | |
| **Reading:** | **Compulsory readings:**<br>- Heywood, V. H., Brummitt, R. K., Culham, A., Seberg, O. (2007): Flowering Plant families of the Word. Firefly Books, Ontario, Canada.<br>- APGIII. http://www.mobot.org/MOBOT/research/APweb/<br>**Recommended readings:**<br>- **Bresinsky**, A., **Körner**, C., **Kadereit**, J.W., **Neuhaus**, G.,**Sonnewald**, U. (2013): Strasburger's Plant Sciences. | | |
| **Assessment:** | • For getting thesignature at the end of the semester: successfully written tests, prepared herbarium collection and finally to cumulate the min. achievable credit points (50%).<br>• Exam: written test and oral exam based on the students' own herbarium collection. | | |