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| **Subject** | **Advanced Pomology** |
| **Type** | **Semester** | **ECTS** | **Code** |
| O | II | 6 | / |
| **Aims and Objectives** | Advanced pomology course will be focusing in particular on fruit tree and woody-plant sciences, and included the theoretical aspects of tree biology and physiology, will provide basic foundations and explanations needed to grasp the complex morphological and physiological mechanisms governing fruit trees growth and the variable response of trees to management practices, like plantings, propagation, pruning, irrigation, fertigation and soil management. Cultivars and rootstocks used in modern orchards will also be part of the course. The focus of this course is thus on fundamental principles and on the insights to be gleaned from the many practical examples included.  |
| **Learning outcomes** | After successful completion of the course, students will be able to:* explain the importance of fruit tree structures and functions
* identify and evaluate conditions needed for fruit cultivation
* describe basic physiological processes of growth and yield of fruit trees
* describe modern irrigation
* identify different systems of fruit cultivation
* organize and conduct agro-technical and morpho technical measures in orchard during the vegetative period

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| * recognize and describe different types of bearing shoots on fruit trees
* recognize cultivars and rootstocks
 | * written or oral exam, homework
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| **Literature/References** | Çakalli D., Kullaj E. 2007. Biologjia e bimëve hortikulturore. UBT. Tiranë.Çakalli D., Thomai T. 2005. Frutikultura speciale (Pomologjia). Universiteti Bujqësor i Tiranës. Tiranë.Childers N. 1985. Modern Fruit Science. Gainesville. Florida.Efendija T. 2000. Pemëtaria e përgjithshme. Universiteti i Prishtinës, Fakulteti i Bujqësisë. Prishtinë.Ellis M., Converse R., Williams R., WIlliamson B. 1997. Compendium of Raspberry and Blackberry Diseases and Insects. APS Press. Mineesota. USA. Ferraj B. 2017. Pomologjia 2. Dita Print. Tiranë.Hall H., Sobey T. 2013. Climatic Requirements. In: Funt R., Hall H. Raspberries. Cabi. UK.Hancock F, Retamales J. 2018 Blueberries. CabiHummer K., Hall H. 2013. Raspberries. In: Funt R., Hall H. Raspberries. Cabi. UK.Jackon D., Looney N., Bunker-Morley M., Thiele G. 2011. Tempreate & subtropical fruit production. Cabi. UK. Kafkaki U., Tarchitzky J. 2011. Fertigation. IFA. Paris. Kentucky.Kongjika Efigjeni., Susuri L., Zajmi A., Myrta A. 2016. Pemëtaria dhe Vreshtaria në Shqipëri dhe në Kosovë. ASHSH-ASHAK. Tiranë-Prishtinë.Kullaj E. 2007. Biologjia e thelluar e pemëve frutore. FBM. UBT. Tiranë. Kullaj E. 2008. Ekofiziologjia e drufrutorëve. FBM. UBT. Tiranë.Kullaj E. 2017. Teknologji kultivimi në pemëtari. Tiranë.Lepaja K., Zajmi A., Lepaja L. 2019. Kultivimi i mjedrës. Dija. Prishtinë.Lepaja L., Kullaj E., Lepaja K., 2019. Deficit Irrigation of Pome and Small Fruits (Pear, Raspberry, Blueberry): A Scientific Monograph. Nova Science Publishers Inc. USA. Thomaj F. 2018. Pemtaria e përgjithshme. Botimet Flesh. Tiranë.Rama P. 2013. Shtimi i bimëve të hortikulturës. Pegi. Tiranë.Sansavini S. 2019. Principles of modern fruit science. ISHS.Zajmi A., Lepaja K., Lepaja L. 2014. Kultivimi i dredhëzës. Dija. Prishtinë.Zajmi A. 2023. Fjalor i pemëtaris. Prishtinë. |