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| **Subject** | **Advanced berry crop production** |
| **Type** | **Semester** | **ECTS** | **Code** |
| O | III | 6 | / |
| **Aims and Objectives** | Advanced berry crop production course will combine a current approach to the production of the most important berry crop with an emphasis on commercial scale production as well as the newest and most advanced technologies currently used in developed countries. The main berries that will be included in this course are: strawberry, raspberry, blueberry, blackberry, aronia, hascap, gooseberry and currants. This course will also include the effect of climate change on the cultivation of berries, as well as all the pomo-technical and agro technical measures that should be taken for the successful cultivation of berries. Plant protection and postharvest will also be covered. |
| **Learning outcomes** | After successful completion of the course, students will be able to:* Appraise the importance of the berry fruits;
* Analyze the role of berry fruits in the country's economic development
* Explain in general terms how berry fruits should grown
* Eelate the challenges and opportunities that berry growers face
* Discuss the use of modern technologies for the production of berry fruits
* identify and evaluate conditions needed for berry fruits cultivation

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| * describe basic physiological processes of growth and yield of berry fruits
* organize and conduct agro-technical measures in orchard during the vegetative period
 | * written or oral exam, homework
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| **Literature/References** | Alford D. 2007. Pests of fruit Crops. Manson Publishing Ltd. London.Çakalli D., Kullaj E. 2007. Biologjia e bimëve hortikulturore. UBT. Tiranë.Dunn Chace Terry. 2014. Homegrowberries. Timberpress. London. 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.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. Jennings D. L. 1988. Raspberries and Blackberries: Their Breeding, Diseases and Growth. Academic Press. San Diego. California.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.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. Maas J. L. 1987. Compendium of strawberry diseases. Aps press. USA.Thomaj F. 2018. Pemtaria e përgjithshme. Botimet Flesh. Tiranë.Sansavini S. 2019. Principles of modern fruit science. ISHS.* Zajmi A., Lepaja K., Lepaja L. 2014. Kultivimi i dredhëzës. Dija. Prishtinë.
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