

<b>Course code:</b>	HOEPPE
<b>Course title in language of instruction:</b>	Stone Fruit Production
<b>Course title in Czech:</b>	HOE Pěstování peckovin
<b>Course title in English:</b>	HOE Stone Fruit Production
<b>Mode of completion and number of credits:</b>	<b>Exam (6 credits)</b> (1 ECTS credit = 28 hours of workload)
<b>Mode of delivery/Timetabled classes:</b>	full-time, 2/2 (full-time, hours of lectures per week / hours of seminars per week)
<b>Language of instruction:</b>	English
<b>Level of course:</b>	master continuing
<b>Semester:</b>	SS 2016/2017 - FH
<b>Name of lecturer:</b>	Ing. Tomáš Kiss (instructor) Ing. Ivo Ondrášek, Ph.D. (examiner, instructor, lecturer, supervisor)
<b>Prerequisites:</b>	none
<b>Aims of the course:</b>	Students will be taught the basic principles of growing stone fruits, enabling them to subsequently work on commercial fruit farms, in government institutions or in specialised teaching establishments. This course covers cultivation techniques and training systems for stone fruits, and new developments both in the Czech Republic and abroad. This includes: required growing conditions, pruning and modern training systems, commercially popular varieties and promising new varieties, harvesting and the major pests and diseases.
<b>Course contents:</b>	<ol style="list-style-type: none"> <li><b>1. current world situation in apricot, peach, sweet and sour cherries and plum production</b> (allowance 0/0)</li> <li><b>2. basic conditions required</b> (allowance 0/0)</li> <li><b>3. flowering, pollination and fertilisation of stone fruits</b> (allowance 0/0)</li> <li><b>4. pruning (effect of apical dominance, growth rate of tree)</b> (allowance 0/0) <ol style="list-style-type: none"> <li>a. fruit thinning (fruit set, fruit drop, biennial cropping and fruit quality)</li> <li>b. modern training systems, requirements for establishing new plantations, characteristics of different training systems</li> </ol> </li> <li><b>5. stone fruit varieties (domestic and international developments)</b> (allowance 0/0) <ol style="list-style-type: none"> <li>a. fruit classification</li> </ol> </li> <li><b>6. main pest and diseases</b> (allowance 0/0)</li> </ol>
<b>Learning outcomes and competences:</b>	<p><b>Generic competences:</b></p> <ul style="list-style-type: none"> <li>- ability to communicate with professionals in different field of study</li> <li>- ability to understand foreign cultures and customs</li> <li>- ability to work in international context</li> <li>- skilled at utilizing and processing information</li> </ul> <p><b>Specific competences:</b></p> <ul style="list-style-type: none"> <li>- Application skills of professional knowledge</li> <li>- Exploitation and processing of technical information</li> <li>- Higher professional knowledge</li> </ul>
<b>Type of course unit:</b>	required
<b>Year of study:</b>	Not applicable - the subject could be chosen at anytime during the course of the programme.
<b>Work placement:</b>	There is no compulsory work placement in the course unit.

**Recommended study modules:** none

**Assessment methods:** The final mark (totally 100%) is consisted from written exam (40%, attendance and knowledge at practicals (40%)and cognitive exam (20%).

**Learning activities and study load (hours of study load)**

Type of teaching method	Daily attendance
<b>Direct teaching</b>	
lecture	28 h
practice	42 h
seminar	12 h
field work	10 h
professional educational excursion	30 h
consultation	10 h
public presentation (oral)	1 h
<b>Self-study</b>	
preparation for exam	25 h
preparation for regular assessment	5 h
preparation for regular testing	2 h
preparation of presentation	3 h
<b>Total</b>	<b>168 h</b>

**Recommended reading list**

- BAUGHER, T A. -- SINGHA, S. *Concise encyclopedia of temperate tree fruit*. New York: Food Products Press, 2003. 387 p. ISBN 1-56022-941-1.
- *Virus Diseases of Fruit Trees: Diseases due to viroids, viruses, phytoplasmas and other undetermined infectious agents*. Paris: CTIFL, 1999. 202 p. ISBN 2-87911-143-9.
- JACKSON, D I. -- LOONEY, N E. *Temperate and subtropical fruit production*. Wallingford: CABI Publishing, 1999. 332 p. ISBN 0-85199-271-4.
- JANICK, J. -- MOORE, J N. *Fruit breeding*. New York: John Wiley & Sons, 1996. 616 p. ISBN 0-471-31014-X.
- TROMP, J. -- WEBBSTER, A D. *Fundamentals of temperate zone tree fruit production*. Leiden: Backhuys Publishers, 2005. 400 p. ISBN 90-5782-152-4.