

P 17	International M.Sc. Horticultural Sciences	Plant Biotechnology	B
Contents and Learning Objectives	<p>Contents:</p> <ul style="list-style-type: none"> - methods and application of biotechnology in plant breeding and propagation - survey on in vitro cultivation systems - physiological fundamentals of regulation of plant growth and development in vitro - discussion of advantages and disadvantages of applied methods including risk management - somaclonal variability - use of biotechnological methods for plant breeding (examples) <p>Learning Objectives:</p> <ul style="list-style-type: none"> - to have a clear understanding of interaction of conventional and biotechnological methods - to be able to evaluate methods and risk management - knows the juristic frameworks - have a clear understanding of factors affecting the quality of in vitro plants - have the capability for literature search and evaluation 		
Methods of instruction	lectures, practical training, dealing with scientific publications, self study		
Qualifications necessary for attendance	BSc in Horticultural Sciences		
Recognition of the module	International M.Sc. Horticultural Sciences (PM) Masterstudiengang Prozess- und Qualitätsmanagement (WM)		
Precondition for credit points	Written examination		
Frequency of offer	1. Semester, winter semester		
Workload	Contact hours (60), preparation for practice and seminars (60 h), self study (60 h); 6 Credit points		
Duration	1 Semester		
Lecturer	Dr Ina Pinker ina.pinker@agrار.hu-berlin.de		