Requirements in

Plant Stress Physiology (INTKT MN001)

MSc course

Dept of Plant Physiology and Plant Biochemistry

Faculty of Horticultural Science

Szent István University

2016/17 spring term

- The program starts on 18th February and concludes on 4th May.
- All classes are scheduled on Thursdays from 12.00 to 13.45 h, in Room A21.
- Attendance at lectures is highly advisable, as not all topics are fully covered in the textbooks available.
- Studying downloadable material from the e-learning website of the University is recommended. For further readings chapters of some textbooks covering parts of the lectures are suggested. More detailed information on these resources is shown below.
- Evaluation will be in the form of written examination on the 11th May at 12.00 in Room A21. Further dates for examination may be negotiated during the course, if needed.

Budapest, 18th February, 2017

Dr István Papp

Dept of Plant Physiology and Plant Biochemistry

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representative

of the students

Topics of lectures **Plant Stress Physiology**

18th February	Introduction to plant stress physiology	I Papp
23rd February	Signaling in plant stress tolerance	I Papp
2nd March	Water deficit and drought tolerance	I Papp
9th March	Instrumental methods in plant stress physiology	T Janda
16th March	Plant nutrient deficiencies	E Bába
23rd March	Oxidative stress and hypoxia	Z Takács
30th March	Chilling and freezing stress	G Kocsy
6th April	Salt and heavy metal stress	Z Takács
13th April	Heat and drought stress during flowering	K Jager
20th April	Stress-adapted microsymbionts for plant stress-tolerance	B Bíró
27th April	Host-pathogen interactions	to be announced
4th May	consultation for the examination	
11th May	written examination	

Selected readings:

- Downloadable material of the lectures from the e-learning system of the University
- Chapters from textbooks:

Plant Physiology eds Lincoln Taiz and Eduardo Zeiger Chapter 25 Stress Physiology

Please note, that this textbook (3rd edition) is downloadable free from multiple sites of the internet.

Biochemistry and Molecular Biology of Plants eds Buchanan and Gruissen
Chapter 22; Responses to abiotic stress