

## Master Horticultural Science - List of Modules Offered in Summer Term 2018

### REQUIRED MODULES – TUM

No	Title	Lecturer	Lecture type	Cp.	Module number	Prere-quisites	Date	Room
<b>TOPIC AREA 2: HORTICULTURAL ECONOMY / HORTICULTURAL SYSTEMS - MANAGEMENT AND RESEARCH</b>								
R5	Research Methods and Economics Research Project	Bitsch	Seminar	6	WZ1674	none	Tue 9.00–14.00	O 06.Seminar room (4107.01.106)

### ELECTIVE MODULES – TUM

Title	Lecturer	Lecture type	Cp.	Module number	Prere-quisites	Date	Room
<b>TOPIC AREA 1: BREEDING AND BIOTECHNOLOGY</b>							
Biotechnology in Horticulture 2 or Biotechnology in Horticulture 3	Rhozon, Schramm  Sieberer	Practical course  Practical course	6  6	WZ1593  WZ1594	none  none	Lectures: 08. +15.05.18, Time and room will be announced + Block course (02., 03., 05., 09., 10., and 12.07.18 ; Time: 09:00 - 18:00)	Lectures: S 85 (HEZ) (4318.EG.005) Block course: O.4. Microb. Prakt. (4317.EG.004)
Module: Genetic and Environmental Control of Vegetal Plants <i>Aroma compounds of vegetal plants</i> <i>Plant mineral nutr. and crop quality</i> <i>Analysis of quality parameters</i>	Habegger, von Tucher Habegger et al.	Lecture, Lecture, Lab Practical	6	WZ1595	none	Wed 8.30–10.00 Wed 10.15–11.45 On announcement	S 86 + S 87 (4318.EG.006/007)
Quantitative Genetics and Selection	Schön	Lecture, project work	5	WZ1584	none	Thu 13–15 Fri 10–12	S 85 (HEZ) (4318.EG.005)
Plant Biotechnology	Poppenberger	Lecture and Seminar	5	WZ1585	Yes	Wed 10–12 Thu 16–17	S 88 (HEZ) S 88 (HEZ)
Applications of Evolutionary Theory in Agriculture	Tellier	Lecture, Practical	5	WZ1582	none	Please contact the lecturer	Please contact the lecturer
Methods for Analysis of Next Generation Sequencing Data	Tellier, Frishman, Schaefer	Excercise	5	WZ2049	yes	Please contact the lecturer	Please contact the lecturer
Plant Epigenetics and Epigenomics <i>Plant Epigenetics and Epigenomics</i> <i>Plant Epigenetics and Epigenomics</i>	Johannes	Lecture, Computer Practical	5	WZ1185	yes	Tue 10 - 13	S 85 (HEZ) (4318.EG.005)
Plant Developmental Genetics 2	Schneitz	Lecture, Seminar	4	WZ2480	yes	Thu 8.30 – 10.00 On announcement	212, Seminar room (4218.02.212)
Practical Course: Computing for Hightthroughput Biology	Schön	Research Project	10	WZ2400	yes	Please contact the lecturer	Please contact the lecturer
Research Project 'Biotechnology of Horticultural Crops'	Poppenberger, Rozhon, Sieberer	Research project	10	WZ1577	yes	Please contact the lecturer	Please contact the lecturer
Research Project 'Chemical Genetics'	Poppenberger, Rozhon, Sieberer	Research project	10	WZ1575	yes	Please contact the lecturer	Please contact the lecturer

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<b>TOPIC AREA 2: HORTICULTURAL ECONOMY / HORTICULTURAL SYSTEMS - MANAGEMENT AND RESEARCH</b>							
Research Methods and Economics Research Project	Bitsch	Seminar	6	WZ1599	none	Tue 9.00–14.00	O 06.Seminar room (4107.01.106)
Module: Genetic and Environmental Control of Vegetal Plants	Habegger, von Tucher Habegger et al.	Lecture, Lecture, Lab Practical	6	WZ1595	none	Compare: Topic Area 1	Compare: Topic Area 1
Organizational Behavior, Theory and Development <i>People in Organizations: Managing Change and Sustainability in Agribusiness and Food Industry</i>	Bitsch	Seminar	5	WZ1563	HRM recomm.	Thu 13:15-17:00	O 06.Seminar room (4107.01.106)
Nachhaltigkeit: Paradigmen, Indikatoren und Messsysteme	Bitsch	Seminar	5	WZ1560	none German	Wed 8.30–12	O 06.Seminar room (4107.01.106)
<b>TOPIC AREA 3: PRODUCTION PROCESS DESIGN AND QUALITY MANAGEMENT</b>							
Module: Genetic and Environmental Control of Vegetal Plants	Habegger, von Tucher Habegger et al.	Lecture, Lecture, Lab Practical	6	WZ1595	none	Compare: Topic Area 1	Compare: Topic Area 1
Project Management in Horticultural Plant Sciences	Regos, Stammli, Steger, Vio	Lecture, sem. + proj. part	5	WZ1571	none	Mon 8.15-13.00	S 80 in Dürnast <u>or</u> S 85 (HEZ) (4318.EG.005)
Research Project 'Physiological Pomology'	Hadersdorfer et al.	Research project	10	WZ1592	yes	Please contact the lecturer	Please contact the lecturer
<b>TOPIC AREA 4: PLANT PHYSIOLOGY AND CHEMISTRY</b>							
Analysis of Bioactive Compounds in Fruits and Vegetables	Steger	Lecture, Lab course	6	WZ1596	none	Thu 8–12	S 80 Seminar room Hort. Science Dürnast
Basics of Metabolics	Witting	Lecture	5	WZ3098	Yes	Fr 15 -18	Seminar room 53 (4224.02.298)
Sustainable Land Use and Nutrition	Luksch et al.	Lecture, seminar	5	WZ1676	none	Tue 18.15– 19.45	S 88 (HEZ) (4318.EG.008)
Research Project 'Metabolite Analyses in Crops'	Poppenberger, Rozhon, Sieberer	Research project	10	WZ1697	yes	Please contact the lecturer	Please contact the lecturer
Research Project 'Physiological Pomology'	Hadersdorfer et al.	Research project	10	WZ1592	yes	Please contact the lecturer	Please contact the lecturer
Research Project 'Plant Growth Regulation'	Poppenberger, Rozhon, Sieberer	Research project	10	WZ1576	yes	Please contact the lecturer	Please contact the lecturer
Research Project 'Secondary Plant Metabolites'	Hadersdorfer et al.	Research project	10	WZ1587	yes	Please contact the lecturer	Please contact the lecturer
<b>TOPIC AREA 5: PLANT PATHOLOGY AND PROTECTION</b>							
Methods in Woody Plant Pathology	Hadersdorfer	Lecture, project work	6	WZ1598	none	Fri 8–12	S 88 (HEZ) (4318.EG.008)
Biology and Physiology of Plant Stress	Hückelhoven et al.	Lecture, pract. + seminar part	5	WZ1583	none	Tue 10–12	014, S 45 (4217.EG.014)
Research Project 'Plant Pathology'	Hückelhoven	Research project	10	WZ1586	yes	Please contact the lecturer	Please contact the lecturer