

Modules offered by Hochschule Geisenheim - University



Students of the Vinifera EuroMaster degree programme have to attend the following modules in the second academic year (M2):

- 4 Core modules 30 ECTS
- Master Thesis 30 ECTS

Core Modules

Module	ECTS points
Advanced Enology	6
Advanced Viticulture	6
Product- and Project Management in Wine Business (Advanced Wine Business)	6
Research Project	12
	30
Total:	60

Module Name	Advanced Enology (Technology and Microbiology in Enology)
Academic Year:	2 nd academic year in Geisenheim
Semester:	3 rd semester
Module coordinator:	Prof. Dr. Monika Christmann (Hochschule Geisenheim)
Lecturer:	Monika Christmann, Prof. Dr. (Hochschule Geisenheim); Manfred Großmann, Prof. Dr. (Hochschule Geisenheim); Doris Rauhut, Prof. Dr. (Hochschule Geisenheim); Rainer Jung, Prof. Dr. (Hochschule Geisenheim); von Wallbrunn, Christian Dr. (Hochschule Geisenheim), Ludwig Pasch, M.Sc. (Hochschule Geisenheim); Matthias Schmitt, Dr. (Hochschule Geisenheim); Andrii Tarasov Dr. (Hochschule Geisenheim),
Language:	English
Classification within the curriculum:	Module of specialisation
Teaching format:	Regular lectures and seminar during the semester
Workload:	Face to face lectures and seminar: 60 h; Student's personal study time in the module: 120
Credit points:	6 ECTS
Requirements under the examination regulations:	-----
Recommended prerequisites:	-----
Targeted learning outcomes:	Students know about the ongoing research activities in winemaking, enology and microbiology and their implementation in small, medium and large scale wine production
Content:	Current research topics in Enology; Wine making technology; Microbiology
Study / exam achievements:	Presentation and written examination
Forms of media:	Power point presentations, hand-outs
Literature:	a) General background literature as prerequisite to follow the course: REYNOLDS, A.: Managing Wine Quality., Vol. I + II, Woodhead Publishing, 2011. KÖNIG, H. ; UNDEN, G. ; FRÖHLICH, J.: Biology of Microorganisms on Grapes, in Must and in Wine. Springer-Verlag, Berlin, 2017. b) course specific references and relevant publications will be given at begin of the course
Update:	September 2017

Module name	Advanced Viticulture
Academic Year:	2nd academic year at Geisenheim
Semester:	3rd semester
Module coordinator:	Prof. Dr. Manfred Stoll (Hochschule Geisenheim)
Lecturer:	Randolf Kauer, Prof. Dr. (Hochschule Geisenheim); Beate Berkelmann-Löhnertz, Prof. Dr. (Hochschule Geisenheim); Elvira Bleser, Dr. (Hochschule Geisenheim); Joachim Schmid, Prof. Dr. (Hochschule Geisenheim); Johanna Frotscher, Dr. (Hochschule Geisenheim); Anette Reineke, Prof. Dr. (Hochschule Geisenheim); Jason Smith, PhD (Hochschule Geisenheim); Susanne Tittmann, Dr. (Hochschule Geisenheim)
Language:	English
Classification within the curriculum:	Module of Specialisation
Teaching format:	Regular lectures during the semester
Workload:	Face to face lectures and seminar: 60 h; Student's personal study time in the module: 120
Credit points:	6 ECTS
Requirements under the examination regulations:	-----
Recommended prerequisites:	-----
Targeted learning outcomes:	Students know about current research topics in viticulture, molecular biology, pest control and precision viticulture
Content:	Hot topics in viticulture, physiology and pest control in grape production
Study / exam achievements:	Written examination
Forms of media:	Power point, laboratory and field work
Literature:	a) General background literature as prerequisite to follow the course: GLADSTONES, J.: Wine, Terroir and Climate Change, Adelaide, Hyde Park Press, 2011.

	<p>ILAND, P. ; DRY, P. ; PROFFITT, T. ; TYEMAN, S.: The Grapevine - from science to the practice of growing vines for wine., Patrick Iland wine Promotions Pty Ltd, 2011.</p> <p>KELLER, M.: The Science of grapevines: anatomy and physiology. Amsterdam, Elsevier, 2010.</p> <p>b) course specific references and relevant publications will be given at begin of the course.</p>
Update:	September 2017

Module name:	Research Project
Academic Year:	2 nd academic year at Geisenheim
Semester:	3 rd semester
Module coordinator:	Prof. Dr. Manfred Stoll (Hochschule Geisenheim)
Lecturer:	Academic staff of Hochschule Geisenheim
Language:	English
Classification within the curriculum:	Module of Specialization
Teaching format:	Face to face presentations and discussion of the project <i>en bloc</i> at the beginning and end of the project. Research under continuous supervision
Workload:	Face to face: 8h; oral presentations of interim and final results of the projects within a written report: 12 h, Student's research under supervision and independent study: 300 h; preparation of interim und final reports: 40 h
Credit points:	12 ECTS
Requirements under the examination regulations:	-----
Recommended prerequisites:	-----
Targeted learning outcomes:	Students know about research strategies and methods and are able to apply them to practical research
Content:	Introduction to the library and literature research, research hypotheses and strategies; research methods; processing research data; statistics (involvement in laboratory)
Study / exam achievements:	Presentation and written report
Forms of media:	Power point and laboratory equipment (depending on the project), field visits
Literature:	Basic literature: MALMFORS, B. ; GAMSWORTHY, P. ; Gr, M.: Writing and Presenting Scientific Papers. Nottingham, Nottingham University Press., 2006. LEARDI, R.: Experimental design in chemistry: A tutorial. In: Analytica Chimica Acta, 652 , 2009, 161-172. The project specific literature research is part of the research project
Update:	September 2017

Module name:	Master Thesis at Hochschule Geisenheim University
Academic Year:	2 nd academic year at Geisenheim
Semester	4 th semester
Module coordinator:	General Coordination by Prof. Dr. Manfred Stoll (Hochschule Geisenheim) and Dipl.-Ing. Agr. Sonja Thielemann (Hochschule Geisenheim)
Supervisors:	Academic staff of Hochschule Geisenheim and academic staff members of the EMaVE Consortium and associated partners.
Language:	English
Classification within the curriculum:	Core module
Teaching format:	The Thesis consists of the elaboration of a written report about an independent scientific work of the student and a defense.
Workload:	24 weeks for the elaboration of the thesis; plus adequate time (at least 2 weeks) for personal preparation for the defence.
Credit points:	30 ECTS
Requirements under the examination regulations:	<p>Admission to the <u>thesis</u> is granted if the student has</p> <ul style="list-style-type: none"> - successfully completed the modules of the first academic year; - attended an internship of at least 8 weeks, proved by a respective certificate. <p>Admission to the <u>defence</u> is granted under the condition that:</p> <ul style="list-style-type: none"> - the written report was evaluated at least with the grade "E - pass"; - the student has completed all other compulsory modules of the second academic year successfully and obtained at least 120 ECTS (including the ECTS allocated to the Master Thesis)
Recommended prerequisites:	-----
Targeted learning outcomes:	The student is able to carry out scientific research independently in a given time implementing adequate scientific methods. In addition the student is able to present his/her results to a jury and answers questions related to the field of research.
Content:	Thesis document
Exam achievements:	<p>Delivery of a written thesis report at the submission date. The written report has to be prepared under consideration of the formal requirements of the Hochschule Geisenheim University .</p> <p>Thesis defence in front of an examination jury of at least 3 academic members according to no 13.2 of the Study and Examination Regulations of the Vinifera EuroMaster degree programme.</p>
Forms of media:	<p>Research methods depending on the topic of the thesis.</p> <p>Written report; presentation media for the defence</p>
Literature:	Books and scientific papers related to the topic of the thesis. The

	literature research is part of the Master Thesis
Update:	September 2017

Additional Language Module offer

The credit points are not counted for the completion of the Master degree programme.

Module	ECTS points
German as a Foreign Language	2

Module name:	German as a Foreign Language
Academic Year:	2 nd academic year in Geisenheim
Semester:	3 rd semester
Module coordinator:	Agi Meisl-Faust (Language Center, Hochschule Geisenheim)
Lecturer:	Free lance lecturers
Language:	German
Classification within the curriculum:	Additional Module
Teaching format:	Lectures (interactive teaching): 2 hours / per week during the semester
Workload:	30 hours interactive teaching; 30 hours independent studies
Credit points:	2
Requirements under the examination regulations:	-----
Recommended prerequisites:	-----
Targeted learning outcomes:	Depending on the entrance level: The level of the course will be defined at the beginning of the course depending on students' previous knowledge
Content:	Topics of daily live Special topics from Viticulture, Enology and Wine Business
Study / exam achievements:	Written examination and active participation
Forms of media:	Black board, Overhead; photo copies, exercise sheets
Literature:	-----
Update:	September 2017