Module	**Interdisciplinary project**
Code	MLS-PI01
Degree Program	Master of Science in Life Sciences (MSLS)
Cluster	-
Specialization	Applied Biosciences Chemical Development & Production Viticulture & Enology
ECTS Credits	4
Workload	120 hours - Contact 30 hours; - Self/Group-study 90 hours
Module Coordinator	**Name** Dr. Urban Frey **Phone** +41 58 900 01 10 **Email** urban.frey@hes.so.ch **Address** HES-SO Master, Avenue de Provence 6, 1007 Lausanne
Lecturers	See project descriptions.
Entry Requirements	Admission to the Master's degree program in Life Science at the HES-SO.
Learning Outcomes and Competences	After completing the module students will be able to: • Analyze the state of the art in relation to a given problem. • Participate in the generation of new ideas for products and technologies and in the prioritization of their potential • Develop a multi-disciplinary feasibility study in his/her field of expertise • Establish a common language with partners from different fields of expertise in the context of multidisciplinary projects. • Consolidate feedback from partners in a multidisciplinary project in the form of a set of specifications in its field of expertise. • Assess the advantages and disadvantages of new technologies in its field of expertise/existing state of the art. • Carry out projects in the field of life sciences, taking into account socio-economic requirements in terms of ethics and sustainability. • Draw up a risk mitigation plan • Plan experiments to answer a given question. • Write a technical-scientific report • Manage the human, material and financial resources made available in the organizational function • Take overall account of ethical and sustainability aspects

	• Demonstrate leadership in your role by relying on your technical expertise, managerial skills and ability to make proposals
Module Content	See Specific description of the Interdisciplinary Project assigned to the group students mixed from the different majors. On a given thematic/problem the group must find technical solution and present a project proposal with max budget and time given in the project description.
Teaching / Learning Methods	Pluridisciplinary group work coached by advisor(s) and relevant persons
Assessment of Learning Outcome	• Report (max. 20 pages without appendix, E/D/F) and defense with advisor and project relevant persons. Grading of work: Report (40%), Defense (30%) and Individual interview (30%) • Remediation is not possible for this module.
Bibliography	See project descriptions.
Language	English
Comments	Student regulation to ensure a balanced distribution among the projects (1st choice, 2nd choice). Attendance at the group meetings is mandatory.
Last Update	02.10.2024 / MLS steering committee.