

Sem.	Modules						Exams/ ECTS
1	LS001TUMA Technofunctionality of Food Components (required) K 5 ECTS	LS005TUMA Energy Metabolism and Regulation (required) K 5 ECTS	LS006TUMA Nutrition and Microbiome in Health and Disease (required) K 5 ECTS	LS009TUMA Laboratory Module (required) L 10 ECTS	Elective Module K 5 ECTS		5 30
2	LS002TUMA Food Structure and Texture Engineering (Food Design) (required) K 5 ECTS	LS003TUMA Molecular Sensory Science (required) K 5 ECTS	LS004TUMA Sustainability in Food Systems (required) K 5 ECTS	LS007TUMA Food Toxins and Toxicants (Food Toxicology) (required) K 5 ECTS	LS008TUMA Microbial Food Safety from Farm to Fork (required) LP 5 ECTS	Elective Module K 5 ECTS	6 30
3	LS011TUMA Research Internship R (CW) 20 ECTS				Elective Module K 5 ECTS	Elective Module K 5 ECTS	3 30
4	LS010TUMA Master's Thesis (required) W 30 ECTS						1 30
Key	grey = required modules; blue = elective modules orange = research internship; dark blue = final thesis				CP = Credit Points; K = Klausur (written exam); L = laboratory assignments; LP = learning portfolio; R = report; W = research paper; CW = coursework		