

Code	Course name	Scope (cr)	Period	Languages	Form of teaching / Method of completion	Quota for open uni / target group	Open to exchange students	Open to students of other degree programmes	Additional info on target groups
MMB-101	MSc thesis seminar in microbiology and microbial biotechnology	5 cr	1.-4. period	English (also opportunity to present in Finnish)	distance teaching (time-bound)	-	no	no	-
MMB-117	Environmental microbiology - lab course	5 cr	3. period	English	contact teaching	-	yes	yes	Primarily MMB students, others if there is space
MMB-126	Exploratory microbial research, lab course	10 cr	1. period	English	contact teaching	-	no	no	MMB students
MMB-127	Exploratory microbial genomics	5 cr	2. period	English	contact teaching	-	yes	yes	Primarily MMB students, others if there is space
MMB-130	Microbiologist's Toolkit	5 cr	1.-2. period	English	contact teaching	-	no	no	MMB students
MMB-201	Microbial ecology	5 cr	3. period	English	includes both contact and distance teaching (aka. blended teaching)	5	yes	yes	Gross-institutional agreement with Univ.
MMB-303	Food microbiology - lab course	5 cr	4. period	English	contact teaching	-	no	yes	Primarily to MMB students, secondary to Master of Food Science students. If there is space, also open for the open university students. We don't reserve space for them.
MMB-401	Seminar in evolution of microbial pathogenesis	5 cr	2. period	English	contact teaching	-	yes	yes	Primarily MMB students, secondarily exchange students and students from other degree programmes, if there is space on the course and the student has appropriate previous studies.

MMB-406	Bacteria-host interactions - laboratory course	5 cr	1.-2. period	English	contact teaching	-	no	yes	Primarily Microbiology and Microbial Biotechnology master students, secondarily Genetics and Molecular Biosciences master students.
MMB-502	Microbial biotechnology - lectures and seminar	5 cr	1. period	English	contact teaching	-	no	yes	Primarily Microbiology and Microbial Biotechnology master students. Gross-institutional agreement with Univ. Of Aalto: quota max 5 places
MMB-503	Production of recombinant proteins - lab course	5 cr	3. period	English	contact teaching	-	no	yes	Primarily Microbiology and Microbial Biotechnology master students.
MMB-504	Microbial Genetics and Evolution - lecture	5 cr	4. period	English	contact teaching	-	no	yes	-
MMB-701	Fungal biology	5 cr	4. period	Finnish	contact teaching	-	no	yes	-
MMB-803 (GMB-122)	Virological tools for biotechnology - lab course	5 cr	4. period	English, also Finnish possible	contact teaching	-	no	yes	MMB masters students enrolled first
MMB-805 (GMB-121)	Viruses lectures	5 cr	3. period	English	contact teaching	-	yes	yes	-
MMB-901	Microbial Metagenomics	5 cr	2. period	English	contact teaching	-	yes	yes	Primarily MMB students, others if there is space

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MMB-102	Literature examination for MSc	5 - 10 cr	Any time agreed with the teacher	Finnish, English, Swedish	Moodle distance exam/on site exam and oral exam around week after the written exam	Only for degree students	no	no	-
MMB-103	Master's thesis	30 cr	Any time	Finnish, English, Swedish	other independent work	Only for degree students	no	no	-
MMB-105	Brock literature examination	5 cr	Any time agreed with the teacher	Finnish, English, Swedish	Home exam, chapters and exam time agreed with teacher	Open for all students	yes	yes	-
MMB-106	Teaching practice	1 - 10 cr	Agreed with the teacher	Finnish, English, Swedish	other independent work	Only for degree students	no	no	-
MMB-107	Advanced bacteriology project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	Research project and report	Only for degree students	no	no	-
MMB-108	Practical training and report	5 cr	Agreed with the teacher	Finnish, English, Swedish	report	Only for degree students	no	no	-
MMB-109	Advanced biotechnology project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	research project and report	Only for degree students	no	no	-
MMB-110	Advanced environmental microbiology project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	Research project and report	Only for degree students	no	no	-
MMB-111	Advanced food microbiology project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	Research project and report	Only for degree students	no	no	-
MMB-112	Advanced project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	research project and report	Only for degree students	no	no	-
MMB-113	Advanced virology project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	Research plan, research project and report	Only for degree students	no	no	-
MMB-125	Advanced microbial bioinformatics project in a research group	10 - 12 cr	Agreed with the teacher	Finnish, English, Swedish	Research project and report	Only for degree students	no	no	-
MMB-301	Food Microbiology –literature examination	5 cr	Any time agreed with the teacher	Finnish, English, Swedish	Literature examination. Home exam	All students	yes	yes	-
MMB-302	Food and environmental hygiene and control	5 cr	Any time agreed with the teacher	Finnish, English, Swedish	Literature examination. Home exam	All students	yes	yes	-