

Master's Programme in Translational Medicine: Preliminary teaching programme for academic year 2025-2026

Code	Course name	Scope	Teaching period	Contact, blended or distance teaching	Methods of completion	Language of instruction	Open for exchange students	Open University teaching	Open to students of other degree programs
TMED-001	Personal Study Plan	0	Orientation week, 1	Blended teaching	Lectures, group and individual study guidance sessions, completion of PSP in Sisu	English	No	No	No
TMED-021	Research Proposal Examination	5	Individual timing	Contact teaching	Written research proposal of own design and oral defence with presentation	English	No	No	No
TMED-022	Imaging in Science and Medicine	5	3	Contact teaching	Lectures, demos and exam	English	No	No	Yes
TMED-023	Epidemiology-Basic concepts and practical analyses	5	2	Contact teaching	Flipped classroom lectures, assignment, presentation, discussions	English	YES	No	Yes
TMED-024	Translational Flow Cytometry	2	4	Contact teaching	Laboratory work, lectures and exam	English	No	No	No
TMED-031	Traineeship 1	5	Individual timing	Contact teaching	Internship outside university, written plan and report	English	No	No	No
TMED-032	Traineeship 2	5	Individual timing	Contact teaching	Internship inside or outside university, written plan and report	English	No	No	No
TMED-103	Cancer from Biology to Research	5	3	Contact teaching	Lectures, group work, feedback session and exam	English	YES	No	Yes
TMED-104	Book Examination (Cancer)	8	Individual timing	Contact teaching	Independent learning, examinarium exam	English	MD exchange	No	No
TMED-105	Pathologic Basis of Disease	1 or 3	2	Contact teaching	Lectures, seminars, demos and exam	English	YES (1 cr)	No	Yes
TMED-106	Novel applications in Precision Medicine	2	2	Contact teaching	Lectures, group work and exam	English	YES	No	Yes
TMED-204	Book Examination (Regenerative Medicine)	5-10	Individual timing	Contact teaching	Independent learning, examinarium exam	English	MD exchange	No	No
TMED-205	Environmental Epigenetics Across Human Life Course	5	4	Contact teaching	Lectures, assignments and group work	English	No	No	Yes
TMED-303	Metabolic Disorders from Aetiology to Therapy	5	3	Contact teaching	Lectures, group work and presentation, learning diary	English	YES	No	Yes
TMED-406	Translational Psychiatry	5	4	Contact teaching	Lectures, assignments, group work and exam	English	No	No	MNEURO
TMED-407	Recent Advances in Neuroscience and Psychobiology	2	Individual timing	Contact teaching	Independent learning, examinarium exam	English	MD exchange	No	No
TMED-503	Infection biology	5	May	Contact teaching	Lectrures, seminars and presentation, exam	English	YES	No	Yes
TMED-601	HealthTech Linkage	10	Extends over periods 3 and 4	Contact teaching	Lectures and assingments, project work, visits, group presentation	English	No	No	Yes
TMED-602	BioMed Based Business	3	1, 2 (two implementations)	Distance teaching	On-line course. Lectures, individual and group assignments.	English	MD exchange	No	Yes
TMED-603	Pre-SPARK Health Concept Discovery Program	5	autumn, spring (two implementations)	Blended teaching	Lectures	English	No	No	Yes
TMED-604	Helsinki Pre-incubator and Terkko Health Hub Programmes	1-5	Individual timing	Contact teaching	Workshop and mentoring based learning	English	No	No	No
TMED-901	Career Development	3	1	Contact teaching	Interactive sessions, assignments, seminars	English	No	No	MNEURO and MPHARM
TMED-902	Human Anatomy and Physiology I	5	1	Contact teaching	Team-based learning, excercises, exam	English	No	No	No
TMED-903	Human Anatomy and Physiology II	5	2	Contact teaching	Team-based learning, excercises, exam	English	No	No	No
TMED-904	ABCs of Medical Genetics	3	1	Contact teaching	Lectures, assignments, group work and poster presentation	English	NO	No	Yes
TMED-907	Laboratory Medicine and Molecular Diagnostics	3	4	Contact teaching	Lectures, practical excercises, exam	English	NO	No	Yes
TMED-915	Introduction to Bioinformatics	5	3	Contact teaching	Lectures, home assignments, programming sessions, exam	English	YES	No	YES
TMED-921	Book Exam Alberts, Essential Cell Biology	6	Individual timing	Contact teaching	Examinarium exam	English	No	No	No
TMED-926	Reading and Popularising Translational Research	2	Extends over periods 1-2	Contact teaching	Timed online assignments, in-class seminars	English	No	No	No
TMED-927A	Next-generation and single-cell sequencing technologies in biomedicine	5	4	Contact teaching	Flipped classroom lectures, group work, presentation, exam	English	YES	No	Yes
TMED-927B	Next-generation and single-cell sequencing technologies lab course	1	4	Contact teaching	Hands-on practicals and lectures, learning diary	English	No	No	No
TMED-929	Drug Discovery & Development with a Focus on Personalization and Biologics	1 or 2	2	Blended teaching	Lectures, assignments, group work and presentation	English	Yes	No	Yes
TMED-932	Basic Pharmacology and Toxicology	3	2	Contact teaching	Seminars, assignments and exam	English	No	No	No
TMED-992	Advanced Research Methods	10	Individual timing		Research group internship and report	English	No	No	No
TMED-993	Clinical Rounds	3	Autumn and spring	Contact teaching	Short internship in hospital, learning diary, presentation, exam	English	No	No	No
TMED-993X	Clinical Cases	3	Autumn and spring	Contact teaching	Essay, presentation, assingment and exam	English	No	No	No
TMED-994	Translational Medicine Thesis Seminars	2	Autumn and spring	Contact teaching	Seminars, presentations and being an opponent	English	No	No	No