

Semester	Module code	Module title	ECTS
1	61MST501	Fundamentals of Sensors	6
1	61MST502	Sensor Data Processing	6
1	61MST503	Technology and Materials	6
1	61MST504	Digital System(s) Analysis	6
1	61MST505	Advanced Dynamic Control	6
2	61MST506	Automotive Sensor Applications	6
2	61MST507	Advanced Simulation	6
2	61MST508	Embedded System	6
2	61MST509	Automation	6
2	61MST510	Elective 1	6
3	61MST601	Environmental Sensor Technology	6
3	61MST602	Advanced System Engineering	6
3	61MST603	Management	6
3	61MST604	Scientific Project / Industry Project	6
3	61MST605	Elective 2	6
4	61MST606	Master's Thesis	27

4	61MST607	Final Examination	3
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<b>Assessment components &amp; weightings</b>	<b>Assessment category</b>
Project/Seminar (40%); Exam (60%)	Blended: exam + continuous assessment
Lab Report (40%); Assignments/Exam (60%)	Blended: exam + laboratory/continuous assessment
Mini tests (20%); Seminar (20%); Exam (60%)	Blended: exam + continuous assessment
Lab Reports (40%); Exam (60%)	Blended: exam + laboratory/continuous assessment
Exam (100%)	Written examination
Exam (50%); Seminar (50%)	Blended: exam + continuous assessment
Exam (60%); Seminar Report (40%)	Blended: exam + continuous assessment
Exam (60%); Lab Report (40%)	Blended: exam + laboratory/continuous assessment
Lab Report (40%); Exam (60%)	Blended: exam + laboratory/continuous assessment
Seminar (40%); Exam (60%)	Blended: exam + continuous assessment
Seminar with lab (40%); Exam (60%)	Blended: exam + laboratory/continuous assessment
Exam (50%); Lab (50%)	Blended: exam + laboratory/continuous assessment
Seminar (50%); Group project and Colloquium (50%)	Blended: exam + continuous assessment
Exam (Project) (100%)	Project-based assessment
Assignments (20%); Exam (80%)	Blended: exam + continuous assessment
Final exam (thesis) (100%)	Thesis (written + defence per programme rules)

Oral exam (100%)	Oral examination
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<b>Diversification elements</b>	<b>Rationale / alignment note</b>
Seminar / presentation; Project deliverables; Written exam	Assesses sensor fundamentals via written exam and application through project/seminar.
Lab report / practical work; Assignments; Written exam	Assesses programming and electronics skills via lab reports plus exam/assignments.
Mini-tests; Seminar / presentation; Written exam	Combines theory checks (mini-tests/exam) with seminar presentation to assess applied understanding.
Lab report / practical work; Written exam	Assesses DSP/control concepts via written exam and lab report-based application.
Written exam	Written examination to assess advanced control theory and problem-solving.
Written exam; Seminar / presentation	Balanced assessment of theoretical knowledge and application through seminar.
Written exam; Seminar / presentation	Exam assesses modelling foundations; seminar report assesses simulation application.
Written exam; Lab report / practical work	Exam plus lab report assess embedded systems implementation and documentation.
Lab report / practical work; Written exam	Lab report evaluates practical automation work; exam evaluates theoretical understanding.
Seminar / presentation; Written exam	Elective assessment depends on chosen module; typically combines exam with seminar/continuous components.
Lab report / practical work; Seminar / presentation; Written exam	Assesses environmental sensing through seminar+lab work and written examination.
Written exam; Lab report / practical work	Assesses system engineering and controls via lab and examination.
Seminar / presentation; Project deliverables	Seminar and group project/colloquium assess research skills, communication, and management competences.
Project deliverables; Written exam	Project-based assessment evaluates applied research/industry project outcomes and presentation.
Assignments; Written exam	Elective assessment depends on chosen module; may include assignments plus examination.
Written exam	Master's thesis demonstrates independent scientific work, writing quality, and defence.

Oral examination	Oral final examination assesses integrative understanding of programme content.
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Module Handbook 2025-2030 (MST), module  
description section

## Notes

- 1) This matrix summarises assessment formats and weightings as documented in the approved MST module documentation.
- 2) For Elective 1 and Elective 2, the exact assessment method depends on the selected elective module; the approved module documentation should be consulted.
- 3) The matrix may be reviewed periodically as part of the MST programme quality review process.

