MSc Nanotechnology
Faculty of Science and Technology
Office for Educational Affairs (BOZ TNW)
Horstring Z-204 Tel. 053 – 489 4120 boz-nano-ces@utwente.nl

UNIVERSITY OF TWENTE.

Master 's final project
Nanotechnology Assessment form

Student name

Student number

Research group

Date of presentation

Title thesis

Overall grade research contents EC

Overall grade reporting EC

Please read 'how to use this form' on page 3 and 4 of this document. After reading fill out the table on page 2 to assess the different aspects to be included in the grades. At the right side of the table, remarks (compliments and suggestions) can be added. Subsequently fill in the two grades on page 1. After filling in the table and the two grades, page 1 has to be signed by the chairperson of the MSc committee and the other committee members. Make a copy for the student and the research chair and send the original to the office of Education Affairs mentioned below.

Assessment Committee

Name		Signature
Chair		
Tutor		
Supervisor		
Member other group		
Other members		

PLEASE RETURN FORM TO BOZ NANO | HR Z204

Aspects of assessment	Comments and Feedback
Research process *Assessment committee*	Compliments Suggestions for improvement
Research skills *Tutor & supervisor*	Compliments Suggestions for improvement
Report design and lay-out *Assessment committee*	Compliments Suggestions for improvement
Presentation and discussion *Assessment committee*	Compliments Suggestions for improvement

Please note: the assessment form should clearly reflect/support the final grade (e.g. if the assessment form contains only compliments, and no suggestions for improvement, it would be strange if the final grade would be a 6).

MSc Nanotechnology
Faculty of Science and Technology
Office for Educational Affairs (BOZ TNW)
Horstring Z-204 Tel. 053 – 489 4120 boz-nano-ces@utwente.nl

UNIVERSITY OF TWENTE.

How to use this form

- fill in (in advance) the text boxes concerning name, number, title, research group and date,
- for each aspect of assessment, fill in the weakest and strongest points; the form is used as explanation of the overall grade and as feedback to the student,
- use the comments to derive two grades: one for research contents and one for reporting,
- sign the form: fill in the names of the committee members with their signatures,
- make a copy of the form for the student and research group archive, and
- send the filled in form to BOZ-NANO.

Objectives

A detailed list of the learning objectives of the MSc-program is defined in the Nano-Programme guide and the Exam Regulation (the "OER"). Attention is required for: the formulation of the research problem, acquirement and selection of the information, phasing of the research, selection of methods and experiments, required level of detail, accuracy and reliability of the results.

Aspects of assessment	Final qualifications
Research process • Problem formulation embedded in context • Systematic collection, analysis and processing of relevant scientific information • Research plan (sound methodology and experimental set-up) • Results (appropriate detail, accuracy, abstraction level) • Analysis and discussion of data and results • Conclusion and recommendations • Usefulness of results (e.g. degree of publishability) • Attention for the context of the results	*During the MSc final project the student should learn to find and apply a suitable research methodology independently on a research subject with a relative high complexity. He has the skill and the attitude to apply these methods independently in the context of more advanced ideas or applications.* *The student is able to acquire information independently also from outside the discipline and can take a critical point of view.* *In the master phase the student has to develop independently the required model and reasoning and chooses the right level of abstraction. The student is able to deal with uncertainty and considers the way data have been established.* *The student has to plan and organise the tasks independently.* *In the master phase there is strong emphasize on attitude. The student can integrate the consequences of scientific thinking and acting as well as the ethical aspects in scientific work.*
Research skills • Skills: theoretical, experimental and organisational skills • Scientific approach: systematic working, logical reasoning, use of models • Scientific attitude: creative, curious, motivated, constructive, critical self-reflection • Cooperation: interaction with supervisor and colleagues • Project work: planning and time management	
Report design and lay-out • Appropriate abstract • Appropriate report structure and coherence • Appropriate report lay-out • Use and quality of scientific language& writing skills • Use and quality of figures and tables • Use of citations and references • Appropriate length	*The report should reflect a structured research approach and is written at a high degree of independency.* *The target group is colleague experts.* *The report in English should have an appropriate length and not exceed 50 pages (without appendices).*

Presentation and discussion • Clarity of explaining problem, methods, results and conclusions • Style of presenting and use of audio-video support tools • Connection to public • Discussion and response to questions	*The presentation in English should be understandable for experts.*