# CHECKLIST FOR DEGREE PROJECT AT THE SECOND CYCLE (MASTER'S) LEVEL

This checklist is intended to serve as guidance for examiners, academic supervisors and students in the writing of the degree project report for those pursuing a Master of Science in Engineering, or other Master of Science degrees. The checklist is based on the course syllabus TQxx33/TQxx30 for degree projects and on the subset of the intended learning outcomes that can be evaluated within the degree project report.

## 1. Problem Formulation

1.1 The presentation of the problem is clearly formulated, demarcated and realistic; it is also adapted to degree projects at this educational level.

1.2 The presentation of the problem is relevant with respect to both the student's main field of study within the degree programme and the student's future career.

1.3 The presentation of the problem is placed in a societal[1]/commercial utility perspective.

## 2. Scientific Basis

2.1 The report shows that the student is capable of identifying the most relevant scientific references for the chosen problem formulation.

2.2 The student's work is clearly linked to established scientific theories and concepts.

2.3 The references are related to and evaluated on the basis of the student's presentation of the problem and the student's results and conclusions.

## 3. Execution and Scientific Approach

3.1 The report shows that the student uses established scientifically relevant methods, has an understanding of their limitations, and justifies the choice of methods.

3.2 The report shows that the student has the ability to use and integrate the knowledge and skills that have been acquired during his/her education, as well as the ability to independently acquire other knowledge or skills necessary to solve the problem.

3.3 The report shows that the student systematically describes how he/she reaches the results and conclusions based on the chosen method and the given preconditions.

3.4 The report shows that the student has the ability to model, design as well as analyse or evaluate products/systems/methods/processes/theories in a professional manner.

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[1] The term "societal" should be interpreted broadly and includes also institutions of higher education.

## 4.  Results and Conclusions

4.1 The report shows that the student produces relevant results, draws adequate conclusions and critically reviews the relevance and limitations of these results and conclusions.

4.2 The report shows that the student has substantial theoretical understanding of his/her results and conclusions.

4.3 The report shows that the student can make assessments with respect to relevant societal needs and can take into consideration ethical aspects.

## 5. Precision in Communication

5.1 The report is written so that a reader at the same educational level and in the same main field of study can grasp and understand the contents.

5.2 The title and the abstract describe the topic of the degree project in a manner that is both informative and attracts the reader's interest.

5.3 The report's outline and headings are clear and informative.

5.4 The central parts of the report, such as problem formulation, the method, and the results, are easy to find.

5.5 The language is used in a correct manner.

5.6 The layout and the typography adheres to praxis and facilitates reading.

5.7 Figures and tables with associated captions are informative and self-explanatory.

5.8 Citations and references are used in an adequate manner with regard to the main field of study.