**CONTENT OF THESIS AND POSSIBLE THESIS TOPICS**

**WRITTEN IN HUNGARIAN BY DR SÁNDOR HAJDU, SENIOR LECTURER**

1. Requirements

Thesis is the creative elaboration of a professional task (for e.g. that of design, calculation, measurement, modelling or simulation) which proves that the candidate is capable of completing an individual engineering project. Generally speaking, it is not enough to know and summarize a particular field (which can be covered by Chapter 1 of thesis) because it merely means utilizing the literature read.

**Obligatory parts of thesis**

**Title**

**Table of contents**

1. **Introduction, objectives** (Introduction: 1-3 pages, objectives: 1 paragraph at the end of the Introduction part)
2. **Evaluation of the literature read**
3. **Methods**
4. **Results**
5. **Consequences (evaluation)**
6. **Summary or conclusion**

**List of references/Bibliography**

**Appendices/Annexes**

First, it is straightforward to make a sketch for the structure of the thesis, then write the introduction part and set the objectives, which can guide the candidate during thesis writing and assist him/her in preparing the thesis topic announcement form.

The **Introduction** is designed to present the tasks, problems to be solved. **Evaluation of the literature read** is an essential part of thesis in which other works - which have been used for writing thesis - related to the topic are introduced. You should reference any source of information (data, statements, pictures, etc.) mentioned in the first two chapters. Preferably, word-by-word citation is to be avoided. If it is still unavoidable, please indicate that those are someone else’s words and refer to the exact source. It is recommended to reference publications only in Chapter 1 and 2. From Chapter 3 onwards the content of thesis should reflect the candidate’s own work. Of course, referring to other works by indicating the source is permitted. Referencing (and of course the whole thesis) should be prepared in accordance with the formal thesis requirements previously defined by the department.

The chapter, called **Methods** is designed to present the applied methods which assisted the candidate in working out the problem, solving design, modelling, simulation or measurement tasks and utilizing the results of the measurement tasks.

The chapter. entitled **Results** presents the achieved results in a factual way, the chapter, called **Consequences** contains their consequences. These two aforementioned chapters can also be combined.

As you can see, the main part of thesis - which is the candidate’s own work - is comprised of the chapters **Methods-Results-Consequences.** Candidates may deviate from the aforementioned chapter designations (because these can be tailored to the specific topic) but are supposed to adhere to the content elements (outlined above) behind those labels.

Candidates are expected to give account of the work done on thesis in the framework of consultations. The minimum number of (personal, face-to-face) consultations (not including the very first one when the candidate selects/presents the topic) throughout the semester is supposed to be three. Consultations (participation and progress in work) are certified on the so-called Consultation Sheet. If there is a lack of progress in the work between two consultations, the particular entry on the Consultation Sheet cannot be signed by the supervisor and the candidate is supposed to appear in the consultation meeting again.

Thesis can only be submitted if consultations are properly kept record of on the Consultation Sheet.

1. Deadline for selecting thesis topic

As the elaboration of the thesis topic involves several months of intensive work, the topic should be finalized until the end of the registration period, supervisors (internal, external) should be selected, the courses “Thesis I” and “Thesis II” should be signed up for on Neptun. It is advisable for the candidate to talk over the tasks to be completed with the internal supervisor in the first teaching week.

In case of a voluminous thesis topic it is recommended for the candidate to start working on it in the last but one semester. Sub-results of thesis may be presented in the framework of National Conference of Scientific Students’ Association. This way one can avoid problems relating to theses prepared at the very last minute.

1. Thesis topics

Thesis topics can also be suggested by students. Optimally, a thesis topic is related to a specific industrial task. Therefore, it is recommended for students to look for possible thesis topics and external supervisors during internship. If you have a topic or an idea in your mind which is related to one of the courses of an instructor, you are advised to contact and ask him/her whether the selected topic is suitable for a thesis topic.