**Content and Layout Requirements of the Thesis and Thesis Defence**

**for Urban Systems Engineering MSc at the**

**Faculty of Engineering, University of Debrecen**

**Thesis layout**

Font: Times New Roman, Arial Narrow or Arial (or similar)

Font size (body text): 12

Line spacing: 1.5

Minimum number of pages: 60

Maximum number of pages: 120 (including printed appendices)

The electronic version of the thesis must be copied to a DVD, which may also contain additional appendices to the thesis (e.g. drawings, posters, detailed results of numeric tests/ measurements, presentation, etc.) The presentation may also be included on the DVD if it is ready.
Please note that the presentation should be sent to the Department (csmoni@eng.unideb.hu) by 8 June, 2021 - 12 PM

**The thesis must contain the following:**

* Thesis Sheet containing the descriptions of the tasks to be completed (the main part of the Thesis Topic Announcement Form)
* A one-page abstract
* A table of contents and bibliography
* Documents related to the completed tasks, as well as calculations, and data carriers (CD). In case of a design/drawing task, a preparatory study should also be included. In case of a research task, a literature review should be included, which may not take up more than 30% of the thesis.
* In case of drawings, a list of drawings along with the drawing annexes
* Consultation Sheet, which contains the sub-tasks assigned by the supervisor, the verification of the completed sub-tasks, and any modifications to the thesis
* An original bound copy and an electronic copy (DVD) must be compiled from the listed components of the thesis. The Department will return the bound copy after the thesis defence.
* The word THESIS should be inscribed on the cover page, the student’s name and the year of submission should be in the lower right-hand corner. The spine should contain the student’s name and the year of submission.
* The Department stores the theses electronically (DVD). The bound copy is returned to the student after the thesis defence.
* **The DVD must contain the following (in PDF format):**
* **the whole thesis**
* **all appendices (calculations, designs, etc.)**
* **one-page abstract (scanned)**
* **Thesis Sheet (scanned)**
* **Plagiarism Declaration (scanned)**
* **Confidentiality Agreement (scanned) – if necessary**
* **Consultation Sheet (scanned)**
* **Thesis Review Report by the external supervisor (scanned)**
* The contents of the electronic copy and the bound copy must be identical. The Department will take it into account any differences during evaluation.
* Preferred file formats: Word (doc; docx); Excel (xls), MathCad (mcd), AutoCad (dwg, dxf), Adobe (pdf).
* The department requests a one-page abstract as a Word document, which is meant to describe the main points of the thesis. The Department will make the abstracts searchable on a server.

**Thesis defence:**

The student describes his/her thesis topic covering the related preliminary studies and analyses. He/she also elaborates on the concept and problem-solving methods followed. Students also have to prepare a **PowerPoint presentation** as well as **one or two posters** (size A1, 840x594 mm) as visual aids (max. **20 minutes**).

The internal/external opponent (opponents) outlines (outline) their criticism to which the student must respond (max**. 5 minutes**). Leading instructors competent in the various fields related to the thesis may make remarks in connection with their field and may raise complex questions which the student must answer (max. **5 minutes**). The thesis defence is about **30 minutes** long including the introduction, the questions and the answers. Thus, the recommended maximum number of slides in the presentation is 20-25.