Document Screening Essays (Master's Program)

NAME OF APPLICANT: *Aaa Bbb (replace with your name)*

**Subject 1.** Briefly explain your motivation for applying to our department, presenting your concrete research topic. (0.5 pages)

*Notes:*

1. *Follow the instructions on the department web page in writing your answers.*
2. *You may widen the line spacing as appropriate when inserting formulas.*
3. *These notes written in italics should be deleted when filling this section.*

**Subject 2.** Select one important tool in mathematical informatics (e.g., theorem, formula, methodology, and algorithm) that is related to the research topic you presented in Subject 1. About this tool, explain the following aspects in a concrete and precise manner by clarifying the relation to your research topic. (1) Mathematical details, (2) Significance in mathematical informatics, (3) Example(s) of its application. (1.5 pages)

**The selected tool:** *XXX (replace XXX with the selected item)*

**(1) Mathematical details**

**(2) Significance in mathematical informatics**

**(3) Example(s) of its application**

LIST OF REFERENCES

1. …

*Notes:*

1. *You should not write anything except LIST OF REFERENCES in the 3rd and subsequent pages.*
2. *These notes written in italics should be deleted when filling this section.*