

# Document Screening Essays (for Master's Program)

Name of Applicant: *Aaa Bbb*

**Research Topics of Interest:** *XXX (replace XXX with the selected topic)*

**(Main body)**

*Notes:*

- 1. It is acceptable to touch upon the content that the examinee has learned so far, but do not limit the description to those topics only. Emphasize the theme you want to research in the master's program.*
- 2. Use mathematical formulas, diagrams, etc., as necessary to convey the content accurately. Also, appropriately cite references to explain the content. Do not plagiarize. If you used generative AI such as LLMs, clearly specify how you used it.*
- 3. Do not write the examinee's name or examination number in any place other than the "Name of Applicant" field.*
- 4. These notes written in italics should be deleted when filling this section.*



## List of References

[1] ..

*Notes:*

5. *No text other than the list of references should be written on the third page and beyond.*
6. *The bibliographic information of each reference mentioned in the essay should be described in List of References, by following the format exemplified below; if it is a journal paper, it should include author names, title, journal name, volume number, and publication year (in A.D.); if it is a book, it should include the author names, title, publisher, and publication year. The references should be ordered and numbered alphabetically by the surnames of the first authors. The reference should be cited in the body of the essay as [1], [2], etc.*

*Example of List of References*

[1] D. Clément, A. Kohatsu-Higa and D. Lamberton: A duality approach for the weak approximation of stochastic differential equations. *Annals of Applied Probability*, 16 (2006), pp. 1124–1154.

[2] T. H. Cormen, C. E. Leiserson, R. L. Rivest and C. Stein: *Introduction to Algorithms*, 3rd ed., MIT Press, Cambridge, MA, 2009.

[3] G. Strang: *Linear Algebra and Its Applications*, 4th ed., Cengage Learning, 2006.

([2], [3] are examples of books, and [1] is an example of journal papers.)

7. *These notes written in italics and the example of list of references should be deleted when filling this section.*