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**硕士研究生学位论文**

**开题报告**

**Proposal Report of Graduate Student Degree Thesis**

**Note:** Fill in according to the actual situation. **Font:** Times New Roman, **Font size:** Small 3. Delete this text box after reading.

**Thesis Title:**

**College:**

**Major:**

**Research Field:**

**Name:**

**Student ID:**

**Supervisor:**

**Enrollment Date:**

Ningbo University Maritime College

July 2024

**Instructions for Master's Thesis Proposal**

1. The Master's thesis proposal is fundamental to the preparation of the thesis. To improve the management system of the Master's degree process and enhance the quality of Master's degrees, the thesis proposal should generally be completed by the end of the third semester.

2. The proposal should be completed by the graduate student under the guidance of their advisor (or advisory committee). The literature review in the proposal should be clearly categorized, reasonably summarized, accurately identifying scientific and technical issues, logically organized, fluently written, and with standardized charts and tables. The proposal should be no less than 10,000 words, including approximately 6,000 words for the literature review. At least two-thirds of the references should be from the past five years. Fabrication and plagiarism are strictly prohibited.

3. Based on extensive review of domestic and international literature, the student should complete the "Master's Thesis Proposal" form. After approval by the advisor, an open thesis proposal meeting should be held within the discipline or related disciplines.

4.The proposal meeting is organized and implemented by the admitting discipline. The proposal review committee is responsible for providing conclusive review comments and submitting the results and related materials to the college for record. The review committee should consist of 3 to 5 experts in the relevant discipline, including a chair and a secretary. The chair must be an expert with a senior technical title. The inclusion of one external expert is encouraged. The applicant's advisor cannot be a member of the review committee. Teachers and students from the same field may be invited to attend and provide feedback.

5. The "Master's Thesis Proposal" must be printed double-sided on A4 paper, bound on the left side. If the space in any section is insufficient, please add additional pages as needed.

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**1 Background, Objectives, and Significance of the Thesis Topic**

This chapter is suggested to include the following main content (specific chapter titles and content are not restricted and can be adjusted according to actual conditions):

**1.1 Background**

**1.2 Research Objectives**

**1.3** **Theoretical Significance**

**1.4** **Practical Application Value**

…………………………..….……..…………………......**SPLIT LINE**…………..………….….………………………………

*The following are the formatting requirements for the thesis and are not suggestions for this chapter's content.*

**1.4.1 Basic Formatting Requirements for the Thesis**

(1) Paper Size

A4 paper, double-sided printing.

(2) Margins

Top: 2.5 cm, Bottom: 2.5 cm, Left: 2.5 cm, Right: 2.5 cm.

(3) Software Requirements

The thesis can be written using mainstream word processing software such as Microsoft Word (version 2003 and above) and should be easily convertible to PDF format.

**1.4.2 Writing Format Instructions**

(1) Main Text

Use the "Main Text" style defined in the template, or manually set each paragraph with a first-line indent of 2 characters, justified alignment, font Times New Roman, font size Small Four, 1.25 multiple line spacing, with 0 lines before and after the paragraph, and disable grid alignment, as shown in this paragraph. (Bold, italic, underline, etc., can be used for emphasis as needed, but should not affect the overall aesthetic of the format.)

(2) Chapter Title (First-Level Heading)

Use the "Heading 1" style defined in the template, or manually set the font to Times New Roman, justified alignment, font size Four, bold, 1.5 line spacing, 0.5 lines after the paragraph, 0.5 lines before the paragraph, no first-line indent, and disable grid alignment, as shown in the title "Background, Purpose, and Significance of the Dissertation Topic."

(3) Section Title (Second-Level Heading)

Use the "Heading 2" style defined in the template, or manually set the font to Times New Roman, justified alignment, font size Small Four, bold, 1.25 line spacing, 0.25 lines after the paragraph, 0.25 lines before the paragraph, no first-line indent, and disable grid alignment, as shown in the title "Background of the Topic."

(4) Formatting for Other Heading Levels

① Level One Heading (Third-Level Heading)

Use the "Heading 3" style defined in the template, or manually set it to a first-line indent of 2 characters, justified alignment, font Times New Roman, font size Small Four, bold, 1.25 multiple line spacing, 0.25 lines after the paragraph, 0.25 lines before the paragraph, with a first-line indent of 2 characters, and disable grid alignment, as shown in the "Basic Formatting Requirements for the Thesis."

② Level Two Heading (Fourth-Level Heading)

Use the "Heading 4" style defined in the template, or manually set it to a first-line indent of 2 characters, justified alignment, font Times New Roman, font size Small Four, single line spacing, 0.25 lines after the paragraph, 0.25 lines before the paragraph, with a first-line indent of 2 characters, and disable grid alignment, as shown in "Paper Size."

③ Level Three Heading (Fifth-Level Heading)

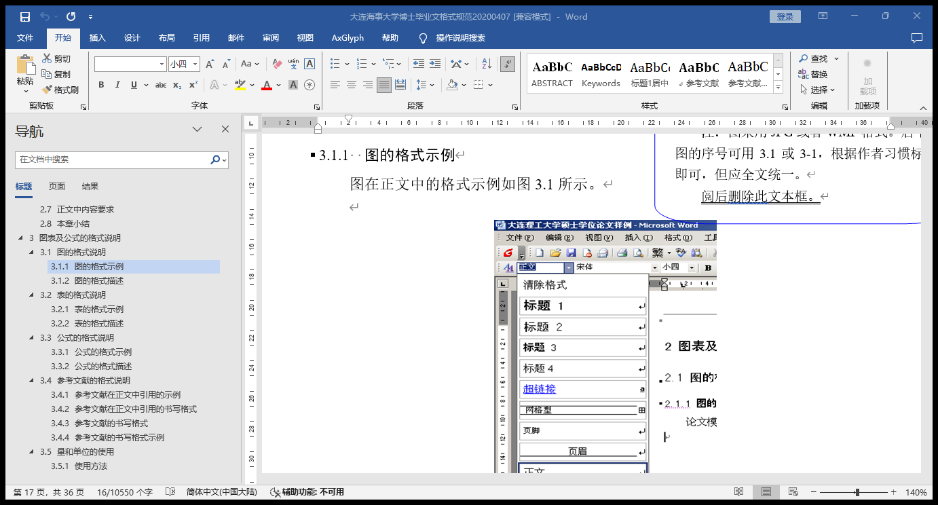
Use the "Main Text" style defined in the template, or manually set it to a first-line indent of 2 characters, justified alignment, font Times New Roman, font size Small Four, 1.25 multiple line spacing, with 0 lines before and after the paragraph, and disable grid alignment, as shown in "Level One Heading."

**Note**: Only up to the fifth-level headings are provided here. If more levels are needed, you can create them as necessary, but the entire thesis must be consistent and orderly. Delete this text box after reading.

**Note**: Figures should be in JPG or PNG format. No first-line indent, centered. Figure numbers can be labeled as 1.1 or 1-1, according to the author's preference, but should be consistent throughout the thesis. Delete this text after reading.

**1.4.3 Figure Formatting Instructions**

The format of figures in the main text is illustrated in Figure 1.1.



**Figure 1.1 Example of Image Format**

(1) Illustrations and photos should preferably be scanned and pasted into the text. Simple text diagrams can be drawn directly using WORD. The text within the images should be clear and aesthetically pleasing.

(2) Images should be centered. In the "Format Picture" settings, the layout should be set to "In line with text" or "Square," and should not be "In front of text."

(3) The size of the images should be limited to one page. If the image exceeds this limit, a continuation image should be added. Any notes within the image should be numbered sequentially using Arabic numerals and right parentheses, such as Note 1). Notes should be placed below the image and formatted neatly.

(4) Leave one line of space before the image and after the image title. Leave appropriate space after the figure number (press the spacebar once in Chinese input mode).

(5) The image title should be placed below the image. Use the "Figure Title" style defined in the template, or manually set it to no first-line indent, centered, font Times New Roman, font size Five, bold, single line spacing, 0.25 lines before the paragraph, 0 lines after the paragraph, and disable grid alignment, as shown in "Figure 1.1 Example of Image Format."

**1.4.4 Table Formatting Instructions**

The common format for tables in the main text is shown in Tables 1.1-1.3, using a three-line table format.

**Note**: A three-line table must be used as standard. Vertical lines can be added if the number of columns exceeds five. Table numbers can be labeled as 1.1 or 1-1, according to the author's preference, but should be consistent throughout the thesis. Delete this text box after reading.

**Table 1.1 Concepts and Scope of Logistics**

|  |  |  |
| --- | --- | --- |
| Essence | Process | |
| Approach | | Planning, Implementation, Control |
| Objective | | Efficiency, Cost-Effectiveness |
| Activity | | Flow and Storage |
| Object | | Raw Materials, Work in Progress |
| Scope | | From Origin (Supplier) to Endpoint (Final Customer) |
| Purpose | | Adapt to Customer Needs |

**Table 1.2 Statistical Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product | Production | Seles Volume | Output Value | Proportion |
| Phone | 11000 | 10000 | 500 | 50% |
| Television | 5500 | 5000 | 220 | 22% |
| Computer | 1100 | 1000 | 280 | 28% |
| Total | 17600 | 16000 | 1000 | 100% |

**Table 1.3 Split-Column Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Product | Production | Seles Volume | Output Value |
| 2004 | Phone | 11000 | 10000 | 500 |
| Computer | 1100 | 1000 | 280 |
| 2005 | Phone | 16000 | 13000 | 550 |
| Computer | 2100 | 1500 | 320 |

(1) Tables should be created using WORD, not pasted. If an Excel table is required, paste the values only.

(2) Text within the table should be formatted with no first-line indent, font Times New Roman, font size Five, single line spacing, 0 lines before and after the paragraph, and disable grid alignment. The table should be clear and aesthetically pleasing.

(3) Leave one line of space before the table title and after the table. Leave appropriate space after the table number (press the spacebar once in Chinese input mode).

(4) The table title should be placed above the table. Use the "Table Title" style defined in the template, or manually set it to no first-line indent, centered, font Times New Roman, font size Five, bold, single line spacing, 0 lines before the paragraph, 0.25 lines after the paragraph, and disable grid alignment, as shown in "Table 3.1 Concepts and Scope of Logistics."

(5) Tables should be centered. Any notes within the table should be numbered sequentially using Arabic numerals and right parentheses, such as Note 1). Notes should be placed below the table.

(6) The size of the table should be limited to one page. If the table exceeds this limit, a continuation table should be added.

(7) The table and its title should be placed on the same page and should not span across two pages.

**1.4.5 Equation Formatting Instructions**

The format of equations in the main text is illustrated in Equation (1.1).

 (1.1)

(1) Equations should be right-aligned on the entire line, and the distance between the equation and its number should be adjusted so that the equation is centered.

(2) Equation numbers should be chapter-based and listed at the end of the line, such as (1.1), (1.2).

(3) Equation positioning: Set half-line spacing or 6 points between equations and the surrounding text, with single line spacing. Authors can adjust as necessary to ensure format coordination and aesthetics.

**2** **Current Research Status and Development Trends**

This chapter is suggested to include the following main content (specific chapter titles and content can be adjusted according to actual circumstances):

By focusing on the research direction, using effective literature search and extensive literature review, applying scientific classification and summarization methods, summarize and analyze the current research status and development trends both domestically and internationally. Refine the existing scientific or technical issues and list the main references (at least two-thirds of the references should be from the past five years, with a total of no less than 6000 words, citation format as [1], using superscript format for references).

**3** **Research Content**

This chapter is suggested to include the following main content (specific chapter titles and content can be adjusted according to actual circumstances):

**3.1** **Research Content**

**3.2** **Problem Description**

**4 Research Plan**

This chapter is suggested to include the following main content (specific chapter titles and content can be adjusted according to actual circumstances):

**4.1** **Research Methods**

**4.2** **Technical Route**

**4.3 Feasibility Analysis**

**4.4** **Anticipated Challenges and Solutions**

**5 Innovation Points**

This chapter is suggested to include the following main content (specific chapter titles and content can be adjusted according to actual circumstances):

Based on the research background and the deficiencies of existing studies, highlight the unique contributions of the thesis in terms of theory, methodology, or application. This includes the proposed experimental methods, models, or theories that are adapted to new application scenarios.

**6 Expected Achievements**

**7** **Thesis Outline and Work Plan**

This chapter is suggested to include the following main content (specific chapter titles and content can be adjusted according to actual circumstances):

**7.1** **Thesis Outline**

**7.2 Dissertation Work Plan**

|  |  |  |  |
| --- | --- | --- | --- |
| **Start and End Dates** | **Main Research Content** | **Expected Goals** | **Expected Outcomes and Formats** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**References**

The title "References" must not be omitted and should use the "Heading 1" style defined in the template. It is recommended to use software such as NoteExpress for literature collection and organization, and to use the Word plugin for citations. Alternatively, manually set the font to Times New Roman, justify both ends, font size 14 pt, bold, 1.5 line spacing, with 0.5 lines after the paragraph, 0.5 lines before the paragraph, no first-line indent, and disable grid alignment.

For the content of the references, set the font to Times New Roman, first-line indent 2 characters, justify both ends, font size 10.5 pt, multiple line spacing 1.25, with 0 lines before and after the paragraph, and disable grid alignment.

References should be listed in the order they are cited in the thesis. Use numerical citation markers as shown below:

Although the study of cylindrical shells has significant practical engineering implications, many aerospace, underwater ship, and other engineering applications often consider cylindrical shells segmented by a longitudinal thin plate as the basic structure. For example, the cabin sections of underwater submarines and the fuselage of airplanes or other spacecraft are more reasonably viewed as cylindrical shell structures with a bottom plate[1]. Compared to general cylindrical shells, when a thin plate is connected to the cylindrical shell structure, the mechanical coupling between the internal flat plate and the cylindrical shell makes the dynamic characteristics of the coupled structure very complex[2-4]. In recent years, researchers have conducted extensive studies on the coupled vibration and power flow of cylindrical shells and flat plates[5, 6].

The types of documents are marked according to the national standard GB/T 7714-2005, as shown in the table below:

**Note**: When referencing books, the page number should be indicated. Delete this text box after reading.

|  |  |
| --- | --- |
| Document Type | Codes |
| Monograph | M |
| Conference Proceedings | C |
| Compilation | G |
| Newspaper | N |
| Journal | J |
| Thesis | D |
| Report | R |
| Standard | S |
| Patent | P |
| Database | DB |
| Computer Program | CP |
| Electronic Bulletin | EB |

Different methods should be used according to the type of referenced literature. Examples are as follows:

1 Monograph

[1] International Federation of library Association and Institutions. Names of persons: national usages for entry in catalog [M].3rd ed. London: IFLA International office for UBC, 1977：56-70.

2 Journal-derived literature

[1] DesES MaraisARAIS D. J., STRAUSS H. , SUMMONS R. E., et al. Carbon isotope evidence for the stepwise oxidation of the Proterozoic environment [J].Nature, 1992,359(1):605-609.

3 Conference proceedings and collected papers

[1] RosenthallOSENTHALL E M. Proceedings of the Fifth Canadian Mathematical Congress, University of Montreal, 1961[C]. Toronto: University of Toronto Press,1963.

4 Literature extracted from monographs

[1] Fourney OURNEY M E. Advances in holographic photoelasticity [C]//American Society of Mechanical Engineers．Applied Mechanics Division．Symposium on Applications of Holography in Mechanics, August 23-25,1971,University of Southern California, Los Angeles, California. New York：ASME,c1971:17-38.

[1] Martin ARTIN G. Control of electronic resources in Australia [M]//PATTLE L W , COX B J. Electronic resources: selection and bibliographic control. New York: The Haworth Press,1966:85-96.

5 Theses and dissertations

[1] Calms ALMS R B. Infrared spectroscopic studies on solid oxygen [D]. Berkeley: University of California, 1965.

6 Patent documents

[1] Koseki OSEKI A , Momose OMOSE H, KawahitoAWAHITO M, et al .Compiler :US,828402[P/OL]. 2002-05-25[2002-02-28]. http://FF&p＝1 & u =netahtml/PTO/search-bool.html & r = 5 & f=G& l = 50& col = AND & d =PG01 & sl =IBM .AS. & 0S =AN/IBM & RS =AN/IBM.

7 Scientific and technical reports

[1] U. S. Department of Transportation Federal Highway Administration. Guidelines for handling excavated acid-producing materials, PB 91-194001[R]. Springfield: U.S. Department of Commerce National Information Service,1990.

[2] World Health Organization. Factors regulating the immune response: report of WHO Scientific Group[R]. Geneva: WHO, 1970.

8 Literature extracted from newspapers

[1] Ding Wenxiang. The Digital Revolution and International Competition [N]. China Youth Daily, 2000, 11, 20(15).

9 Electronic documents (including those extracted from monographs or serial publications)

[3] METCALF S W. The Tort Hall air emission study[C/OL] //The International Congress on Hazardous Waste, Atlanta Marriott Marquis Hotel, Atlanta, Georgia, June 5-8, 1995: impact on human and ecological health [1998,09,22]. http://atsdrl.atsdr.cdc.gov:8080/cong95.html.

[4] TURCOTTE D L. Fractals and chaos in geology and geophysics[M/OL]. Mew York: Cambridge University Press, 1992[1998,09,23]. http://www.seg.org/reviews/mccorm30.html.