Exhibit 1: Front Cover

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1cm  2cm  1.5cm | 4 cm |  |
| High Efficiency Polymerization of |  | Master’s(Doctoral) Thesis |  |
|  |  | 2.5cm  High Efficiency Polymerization of Synthetic Fibers |  |
|  |  |  |  |
| 2010 |  | Sung Sil Kim (Name in Korean)  Department of Chemical Engineering  Pohang University of Science and Technology  2010 |  |
|  |  | 6mm |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | 2.5cm |  |  |
|  | 1.5cm |  |  |
|  |  |  |  |
|  |  |  |  |

\* Paper size: 185mm×255mm

\* Font: Myeongjo, Sinmyeongjo, Batang, or Gulim font for Korean, and Arial,

Times New Roman, or similar font for English

\* Font Size: Title 21pt, Others 16pt

\* Year: Enter the year of graduation

Exhibit 2 : Title Page

|  |
| --- |
| (Title in Korean)  High Efficiency Polymerization of Synthetic Fibers |

\* Font Size: Title 21pt (for both Korean & English)

Exhibit 3: Approval for Submission of Thesis/Dissertation

|  |
| --- |
| High Efficiency Polymerization of Synthetic Fibers    by    ○  ○  ○ (Name of Student)  Department of ○  ○  ○  ○ (○  ○  ○ program)  Pohang University of Science and Technology    A thesis/dissertation submitted to the faculty of Pohang University of Science  and Technology in partial fulfillment of the requirements for the degree  of Master of Science [Doctor of Philosophy (Doctoral)] in the Department of  ○  ○  ○ (○  ○  ○ program)    Pohang, Korea  ○.  ○.    20 ○○  Approved by  ○  ○  ○ (Signature)  Academic Advisor |
| \* Font Size: Title 21pt, Others 14pt  \* Date: Enter the date signed  \* Refer to Exhibit 13 for the department names. |

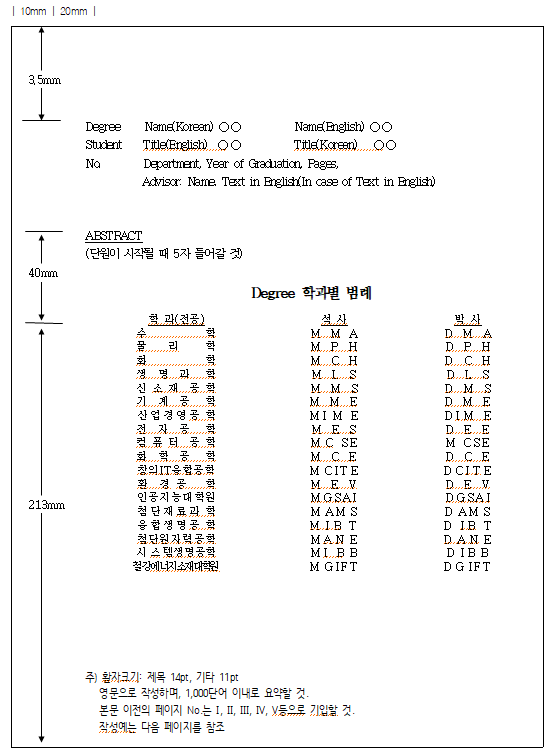
Exhibit 4: Certificate of Approval for Final Thesis/Dissertation Defense

|  |
| --- |
| **Thesis Title**      Sung Sil Kim    The undersigned have examined this thesis/dissertation and hereby certify that it is worthy of acceptance for a master's/doctoral degree from POSTECH       MM/DD/YYYY    Committee Chair  ○  ○  ○   (Seal)  Member  ○  ○  ○   (Seal)  Member  ○  ○  ○   (Seal)  Member  ○  ○  ○   (Seal)  Member  ○  ○  ○   (Seal) |

\* Font Size: Title 21pt, Name 16pt, Others 14pt

\* Three seals required for master's and five seals required for doctoral degree

\* Date: Enter the approval date of the final defense for the submitted thesis/dissertationExhibit 5: Abstract



(Enter 5 spaces at the beginning of the paragraph.)

Abbreviation by Department Dept.Department

Name of Dept. Dept.Department

Doctor

Master

\* Font size: Title 14pt, Others 11pt

\* Written in English, and less than 1,000 words

\* The pages before the main body should be numbered I, II, III, IV, V, etc.

\* Refer to the next page for an example.

Exhibit 6: Example of an Abstract Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MCH      “*Korean Name*” Sung Sil Kim,  20010001  High Efficiency Polymerization of Synthetic Fibers.  *Title in Korean*,         Department of Chemistry, 2009, 108P, Advisor: Chul Su Kim  *Text in English*.(if the main content is in English)        **ABSTRACT**   |  | | --- | |  | |  | |  | |  | |
| \* Your given name should be followed by your family name. |

Exhibit 7: Example of a Table of Contents

|  |
| --- |
| Contents     1. I. Introduction ………………………………………………………………….1       II. Literature survey ……………………………………………………………4          2.1 ……………………………………………………………………………4          2.2 ……………………………………………………………………………5     III. Experimental ……………………………………………………………….6          3.1 ……………………………………………………………………………6          3.2 ……………………………………………………………………………7          3.3 …………………………………………………………………………...11          3.4 ……………………………………………………………………………12          3.5 ……………………………………………………………………………12 |
| \* Make sure to number your contents correctly.  \* Font Size: Title 14pt              Others 11pt |

Exhibit 8: Main Body

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| I. Introduction     |  | | --- | |  | |  | |  | |  |     II. Literature survey       |  | | --- | |  | |  | |  | |  |     III. Experimental   |  | | --- | |  | |  | |  | |  | |

\* Font Size: Title 14pt, others 11pt (footnote: 9~10pt)

\* Margins: Top 20, Bottom 15, Header 15, Footer 15, Left 25, Right 25

\* Page number: Bottom-center of the page, and insert a hyphen (-) on both sides of the number

\* Line spacing of 170 or more, set width of 100, and letter spacing of 0

Exhibit 9: Summary in Korean

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 요  약  문         |  | | --- | |  | |  | |  | |  | |  | |  | |  | |
| \* Font Size: Title 14pt, Others 11pt  \* Written in Korean. |

Exhibit 10: References

|  |
| --- |
| **REFERENCES**         1. Baker, K.P., Dixon, p., Magazine, M/I. and Silver, E.A. “An algorithm for the dynamic lot sizing problem with time varying production capacity constraints.”      Management Science, Vol.24, No.16, 1978, PP.1710-1720.      2. Bahl, H.C., “Column generation based heuristic algorithm for multi- item scheduling,”     IIE, Vol.15, No2, 1983. Pp.136-141.        3. Bahl, H.C. and Ritzman, L.P. “A cyclic scheduling heuristics for lot sizing with capacity constraints, International Journal of Production Research, Vol.No.2, 1984, pp. 791-800” |
| \* Font Size: Title 14pt, Others 11pt |

Exhibit 11: Acknowledgements

|  |
| --- |
| Acknowledgements |

\* Font Size: Title 14pt, Others 11pt

Exhibit 12: Curriculum Vitae

|  |
| --- |
| Curriculum Vitae      Name :    Education  1990~1994  ………………………………………………………………(B.S.)  1994~1996  ………………………………………………………………(M.S.)  1996~2000  ………………………………………………………………(Ph.D.)      Experience    1996.3~2000 ………………………………………………………….      Affiliation  …………………………………………………………………………………………  ………………………………………………………………………………………… |

\* Font Size: Title 14pt, Others 11pt

\* It is prohibited to disclose information beyond the above categories for protection of personal information.

Exhibit 13: List of Department (Program) Names

|  |  |  |  |
| --- | --- | --- | --- |
| * Department of ~ (~program) | | |  |
| * Mathematics | | |  |
| * Physics | | |  |
| * Chemistry | | |  |
| * Life Sciences | | |  |
| * Materials Science and Engineering |  |
| * Mechanical Engineering | | |  |
| * Industrial and Management Engineering | | |  |
| * Electrical Engineering | | |  |
| * Computer Science and Engineering | | |  |
| * Chemical Engineering | | |  |
| * Creative IT Engineering | | |  |
| * Division of Environmental Science and Engineering | | |  |
| * Graduate School of Artificial Intelligence | | |  |
| * Division of ~ (~program) | | |  |
| * Advanced Materials Science | | |  |
| * Integrative Biosciences & Biotechnology | | |  |
| * Advanced Nuclear Engineering | | |  |
| * Social Data Science | | |  |
| * Graduate Institute of Ferrous & Energy Materials Technology | | |  |