

REQUIREMENTS FOR THE SCOPE OF
LABORATORY THESIS
AND THE METHOD OF PROCESSING THE RESULTS OF THESIS
AND PREPARATION OF THE FINAL REPORT

A. SCOPE OF WORK:

1. Statement of the overall objective of the work and a description of the applied approach
2. Clarification of the objectives of the specific / functional requirements
3. Development of a research program or rules of the system
4. Implementation of the basic program of work:
 - Development of algorithms for computation / simulation / system
 - Implementation of the program of calculation / simulation / real system
 - Conducting the studies / calculations / simulations
 - Unit testing and verification of the complete system
5. Preparation of reports from the performed tests: Documentation of the system / software.

B. PROCESSING OF RESULTS AND PREPARATION OF REPORT / DOCUMENTATION:

1. General description of the work and the approach
2. Requirements specification (specific requirements and functions)
3. Discussion of how to solve the problem:
 - Description of the approach / research methods / principles of the system
4. A description of the procedural results:
 - Research program / structure and the algorithms of the system / software
 - Description of the stages of the program / experiments / software modules and interfaces
5. The numerical results and their graphic interpretation:
 - Dictionary of symbols, as well as detailed and synthetic graphs
6. Examples of real and/or simulation results:
 - Sample off-prints illustrating the operation of the system
7. The principal conclusions:
 - Compact / consistent utility description of the system: its destiny, and instruction manual
8. Closing remarks:
 - ability to generate different versions
 - limitations of the method / program
 - directions for further research, development capacity of the system / program
9. Preparation of the report via a text editor:
 - the complete text of the theoretical / methodological development, and
 - the text describing the developed system / software
10. The use of transparent (logical), precise (exact) and a unified description:
 - presentation of the content knowledge, assuming the level of the MSc course student
 - use of concepts understood or defined or explained
 - uniform application of the time mode (the best - present, and in the reporting parts concerning the made experiments - past)
 - the use of standardized signs and providing the list of abbreviations, symbols and signs
 - sufficiently transparent and frequent quoting of sources of information and statements [1]
 - annexing an accurate list of references using the following format:
[1] Author I., Author B.: The title of the paper / chapter. *The Title of the Book/Journal*, vol. 1, no. 1, pp. 5-17. Publishing House [ISBN/ISSN], City 1999.
11. Programs on a floppy disk:
 - the source code (ASM / C / PAS / MOD / M-file)
 - loadable / executable code (COM / EXE)
 - procedures of translation and (batch) linking.

REQUIREMENTS FOR THE SCOPE OF
SOFTWARE DEVELOPER OR PROGRAMING THESIS
AND THE METHOD OF PROCESSING THE RESULTS OF THESIS
AND PREPARATION OF THE FINAL REPORT

A. SCOPE OF WORK:

1. Statement of the overall objective of the work and a description of the applied approach
2. Clarification of the objectives of the specific / functional requirements
3. Development of a research program or rules of the system
4. Implementation of the basic program of work:
 - Development of algorithms for the designed computer system
 - Implementation of the program of the system
 - Unit testing and verification of the complete system
5. Preparation of reports from the performed tests:
 - Documentation of the system / software.

B. PROCESSING OF RESULTS AND PREPARATION OF REPORT / DOCUMENTATION:

1. General description of the work and the approach
2. Requirements specification (specific requirements and functions)
3. Discussion of how to solve the problem:
 - Description of the approach and the principles of the system
4. A description of the procedural results:
 - Structure of the software and the algorithms of the program
 - Description of the program /software modules and their interfaces
5. The software developer results:
 - Commented program source listing, dictionary of symbols, and maps
6. Examples of the system performance and behavior:
 - Sample off-prints illustrating the operation of the system
7. The principal conclusions:
 - Compact / consistent utility description of the system: its destiny, and instruction manual
8. Closing remarks:
 - ability to generate different versions
 - procedures of translation and (batch) linking, along with compilation parameters
 - limitations of the developed software / system
 - directions for further research, development capacity of the system / program
9. Preparation of the report using a text editor:
 - the complete text of the methodological development, and
 - the text describing the developed system / software
 - the text presentation of the utility system
10. The use of transparent (logical), precise (exact) and a unified description:
 - presentation of the content knowledge, assuming the level of the MSc course student
 - use of concepts understood or defined or explained
 - uniform application of the time mode (the best - present, and in the reporting parts concerning the made experiments - past)
 - the use of standardized signs and providing the list of abbreviations, symbols and signs
 - sufficiently transparent and frequent quoting of sources of information and statements [1]
 - annexing an accurate list of references using the following format:
[1] Author I., Author B.: The title of the paper / chapter. *The Title of the Book/Journal*, vol. 1, no. 1, pp. 5-17. Publishing House [ISBN/ISSN], City 1999.
11. Programs on a floppy disk:
 - the source code (ASM / C / PAS / MOD / M-file)
 - loadable / executable code (COM / EXE)
 - procedures of translation and (batch) linking.

REQUIREMENTS FOR THE SCOPE OF
RESEARCH THESIS
AND THE METHOD OF PROCESSING THE RESULTS OF THESIS
AND PREPARATION OF THE FINAL REPORT

A. SCOPE OF WORK:

1. Statement of the overall objective of the work and a description of the applied approach
2. Clarification of the objectives of the specific / functional requirements
3. Development of a research program
4. Implementation of the basic program of work:
 - Development of algorithms for computation and simulation
 - Implementation of the program of calculations and simulation
 - Conducting the research studies, calculations, and simulations
 - Unit testing and verification of the complete system
5. Preparation of documentation and reports and from the performed tests.

B. PROCESSING OF RESULTS AND PREPARATION OF REPORT / DOCUMENTATION:

1. General description of the work and the approach
2. Requirements specification (specific requirements and functions)
3. Discussion of how to solve the problem:
 - Description of the approach or research method
4. A description of the procedural results:
 - Research program
 - Description of the stages of the research program and experiments
5. The numerical results and their graphic interpretation:
 - Dictionary of symbols, as well as detailed and synthetic graphs
6. Examples of real and/or simulation results:
 - Sample off-prints illustrating the effectiveness of the developed /analyzed method
7. The principal conclusions:
 - Compact / consistent utility description of the system: its destiny, and instruction manual
 - A description of how to use the developed method
8. Closing remarks:
 - ability to generate different variants of the method
 - limitations of the method / program
 - directions for further research, development capacity of the system / program
8. Closing remarks:
 - the possibility of obtaining different variants of the method / methodology
 - limitations of the method / program
 - propositions for further research and the development opportunities for the method / system / program
9. Preparation of the report via a text editor:
 - the complete text of the theoretical / methodological development, and
 - text description of the results obtained and the developed system
10. The use of transparent (logical), precise (exact) and a unified description:
 - presentation of the content knowledge, assuming the level of the MSc course student
 - use of concepts understood or defined or explained
 - uniform application of the time mode (present, and in the reports of the made experiments - past)
 - the use of standardized signs and providing the list of abbreviations, symbols and signs
 - sufficiently transparent and frequent quoting of sources of information and statements [1]
 - annexing an accurate list of references using the following format:
[1] Author I., Author B.: The title of the paper / chapter. *The Title of the Book*/Journal, vol. 1, no. 1, pp. 5-17. Publishing House [ISBN/ISSN], City 1999.
11. Programs on a floppy disk:
 - the source code (ASM / C / PAS / MOD / M-file)
 - loadable / executable code (COM / EXE)
 - procedures of translation and (batch) linking.

GENERAL AND ADDITIONAL NOTES TO THE METHOD OF PREPARATION OF
DIPLOMA THESIS

1. Preparation of the report via a text editor:
 - the complete text of the theoretical / methodological development, and
 - text description and discussion of the results obtained
2. The use of transparent (logical), precise (exact) and a unified description:
 - presentation of the content knowledge, assuming the level of the MSc course student
 - use of concepts understood or defined or explained
 - uniform application of the time mode (present, and in the reports of the made experiments - past)
 - the use of standardized signs and providing the list of abbreviations, symbols and signs
 - sufficiently transparent and frequent quoting of sources of information and statements [1]
3. Format of the content and the structure of presentation:
 - Title page
 - Work summary
 - Table of Contents
 - Introduction
 - Description of the method / system
 - Implementation of the method or the system
 - Graphical presentation (drawings) results
 - Summary tables of numerical results
 - Graphic interpretation of structures / algorithms
 - Discussion / analysis of the results
 - A summary of each chapters
 - A chapter summing up all the work (Summary / Conclusion)
 - Annexing an accurate list of references using the following format:

[1] Author I., Author B.: The title of the paper / chapter. *The Title of the Book/Journal*, vol. 1, no. 1, pp. 5-17. Publishing House [ISBN/ISSN], City 1999.

OR according to the practices / templates of scientific publishers such as PWNT:
http://www.konsulting.gda.pl/pages/wydawnictwo_info.html
 - Appendices containing longer sequences of analytical arguments, necessary repetition of known material, descriptions of collateral (secondary) methods / algorithms / properties, inventory list of capabilities / functional elements (parameters, commands, functions), selected listings of program modules and the main unit, very general (for the Ministry) - a functional / utility description of the made application, a manual / instructions for the direct user, guidelines for the designer, etc.
4. The style of text editing:
 - alignment of paragraphs to the left and right margins (adjustment)
 - indentation of paragraphs except that which are preceded by a heading
 - the avoidance of 'blank header': at least one paragraph or sentence should occur before the next header
5. The style of editing the formulas:
 - the edition of formulas and symbols is best accomplished by an equation editor
 - all isolated formulas should be centered and numbered (and the number should be put in braces to right)
 - variables should be slanted (other symbols, for example, brackets and numbers - not inclined)
 - fractional numbers should be used with a decimal point (not a comma)
 - the symbols should be uniformly used (be the same) in both the text and in the isolated formulas
 - indicators at the symbols are to be placed in upper or lower indices

The work cannot be plagiarism, i.e. it must contain references to literature and websites! Each item must be used at least one time, but every derived information must have a documented source (important specific issues may be referred to a course lecture).