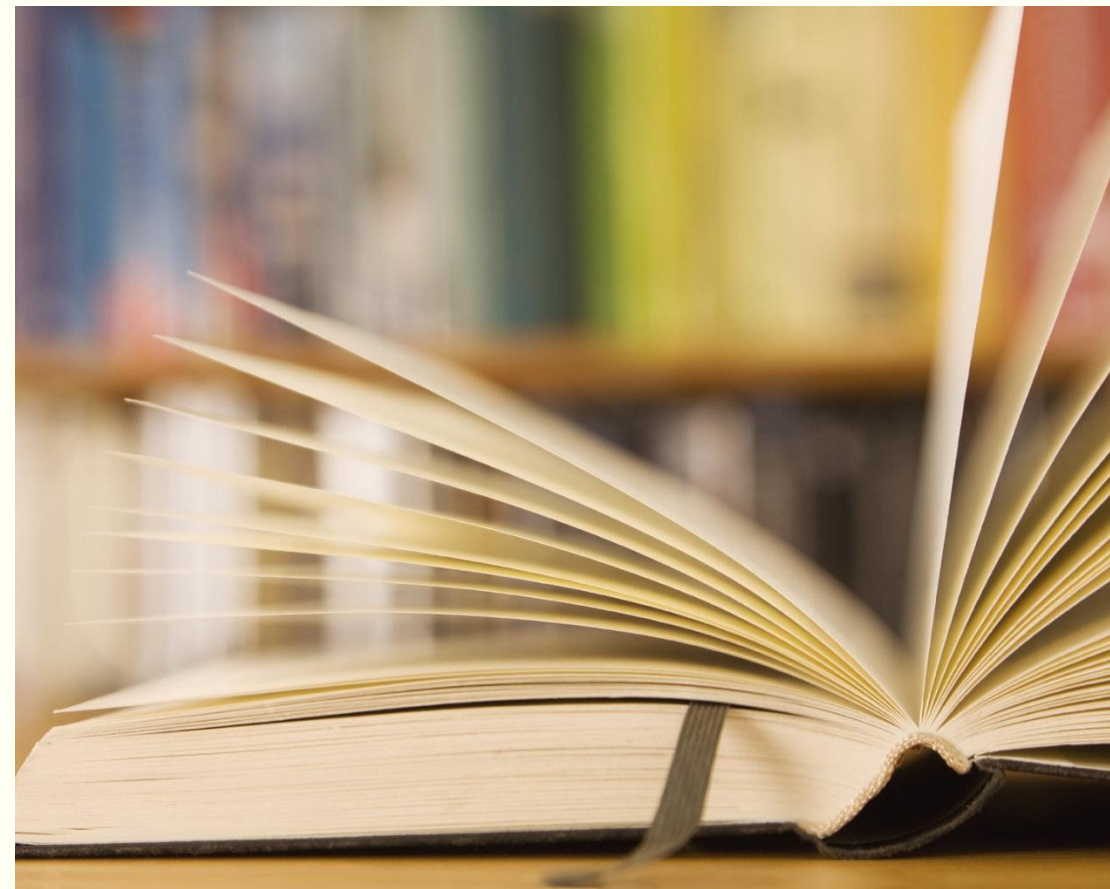


ORGANIZATION AND PLANNING OF SCIENTIFIC RESEARCH

INTRODUCTORY LECTURE

Lecturer Ryspayeva Maiya Zhumabekovna,
Ph.D, senior lecturer



References

Основы научных исследований : [Учеб. для техн. вузов / В. И. Крутов, И. М. Грушко, В. В. Попов и др.]; Под ред. В. И. Крутова, В. В. попова.- М.: Высш. шк., 1989.- 399 с.

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Кожухар, В.М. Основы научных исследований : учеб. пособие / В.М. Кожухар.- М.: Дашков и К', 2010.- 216 с.

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Purpose of the discipline OPSR

- introduction to the basic principles of the organization and planning of scientific research,
- study of the basic methods of physical research and obtain practical skills

Master's students must know

- Modern methods of scientific research
- Principles and structure of organization of scientific activity
- Methods of information obtaining, data processing and data storage
- Methods of experiment conducting, of results processing and of analysis of obtained results

Master's students should formulate and be able to solve scientific and practical problems by :

- Identifying a problem
- Determination an object and a subject of research
- Revealing novelty, practical and theoretical significance
- Systematizing domestic and foreign experience in the research
- Thinking creatively to solve new problems and tasks

Master's dissertation

- Is a graduation work of master's students that contains independent scientific research, theoretical and/or practical developments of actual problem in the selected field of science. Thesis should be based on modern theoretical, methodical and technological achievements of the science



A master's Dissertation is a qualification work performed at the end of a master's program. After the defense, the graduate is awarded a master's degree..



Master's dissertation - the result of the research / experimental research work of the undergraduate, carried out during the entire period of study undergraduate.

THE PURPOSE OF THE MASTER'S THESIS

is to demonstrate the level of scientific / research undergraduate qualifications, the ability to independently conduct scientific research, check ability to solve specific scientific and practical problems, knowledge of the most common methods and techniques for their solution.

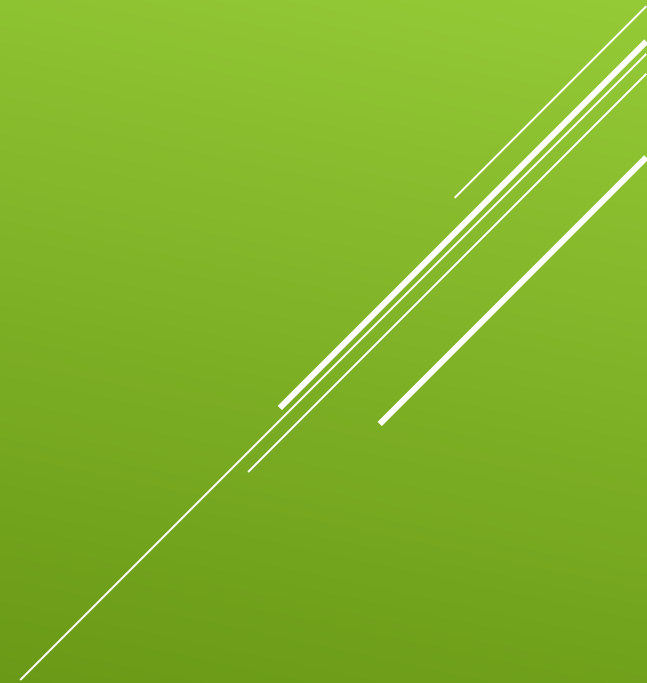
Master's thesis is the basis for awarding a graduate academic master's degree in the relevant specialty. She must demonstrate the maturity of the master's graduate as a researcher capable of creatively formulate and solve scientific and practical problems.



Master's theses must be pre-defended before being submitted for defense.

And checking the graduating department for plagiarism. If found in dissertation work evidence of deliberate plagiarism, the applicant is not allowed to dissertation defense and is subject to expulsion from the university in accordance with the established procedure.

STRUCTURE AND DESIGN OF THE MASTER'S THESIS



STRUCTURAL ELEMENTS OF A MASTER'S THESIS

- ▶ – title page (Appendix A);
- ▶ – one page summary in three languages (Kazakh, Russian and English);
- ▶ - content;
- ▶ - Normative references;
- ▶ – definitions;
- ▶ – designations and abbreviations (if necessary);
- ▶ – introduction;
- ▶ - the main part, consisting of sections, subsections and paragraphs (the latter need;
- ▶ - conclusion;
- ▶ – list of sources used;
- ▶ – applications (if necessary)

THE TITLE PAGE IS THE FIRST PAGE OF THE DISSERTATION AND SERVES AS A SOURCE INFORMATION NECESSARY FOR THE PROCESSING AND RETRIEVAL OF THE DOCUMENT. ON THE TITLE PAGE

- ▶ dissertations provide the following information:
- ▶ - the name of the organization where the dissertation was carried out;
- ▶ - code and name of the specialty;
- ▶ - an indication that the text of the dissertation is written as a manuscript;
- ▶ - the title of the dissertation;
- ▶ - surname and initials of the applicant;
- ▶ – surname and initials of the supervisor;
- ▶ – city and year where and when the dissertation was prepared

ПРИЛОЖЕНИЕ А

Казахский национальный университет им. аль – Фараби
ФАКУЛЬТЕТ ФИЛОСОФИИ и ПОЛИТОЛОГИИ
МАГИСТРАТУРА
Кафедра социальной философии

МАГИСТЕРСКАЯ ДИССЕРТАЦИЯ
Философия прагматизма
как основной феномен американской культуры XX века

Исполнитель _____ » _____ 2011 г.
/подпись/ /Ф.И.О./

Научный руководитель _____
/Ф.И.О./ /регалии/ /подпись/

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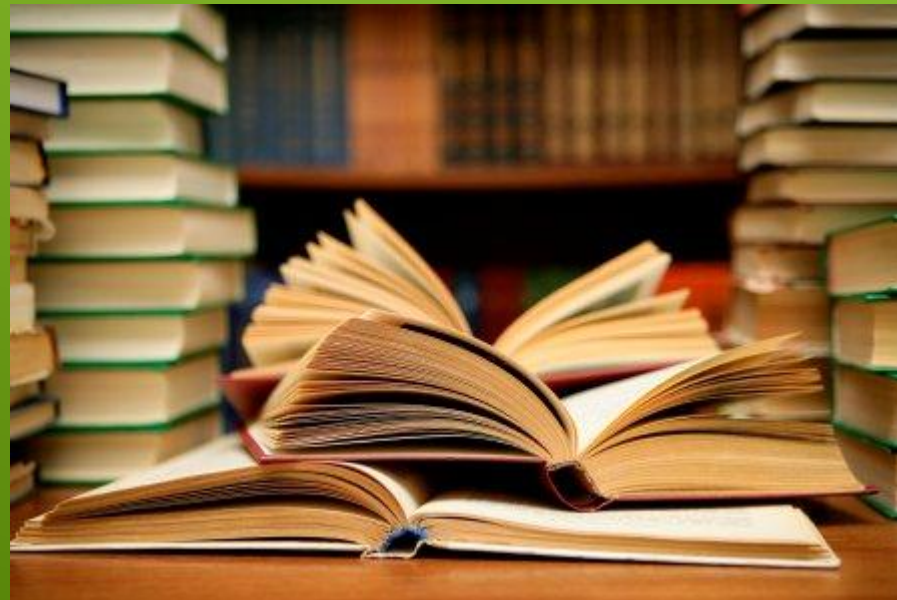
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Зав. Кафедрой _____
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/Ф.И.О./

« _____ » _____ 201_ г.

АЛМАТЫ 201_

The content of the dissertation includes an introduction, serial numbers and titles. All sections, subsections, paragraphs, conclusion, list of sources used and the name of the appendices, indicating the page numbers from which these begin dissertation elements.



**"Regulatory references" contains a list of standards,
on which are referenced in the text of the dissertation**



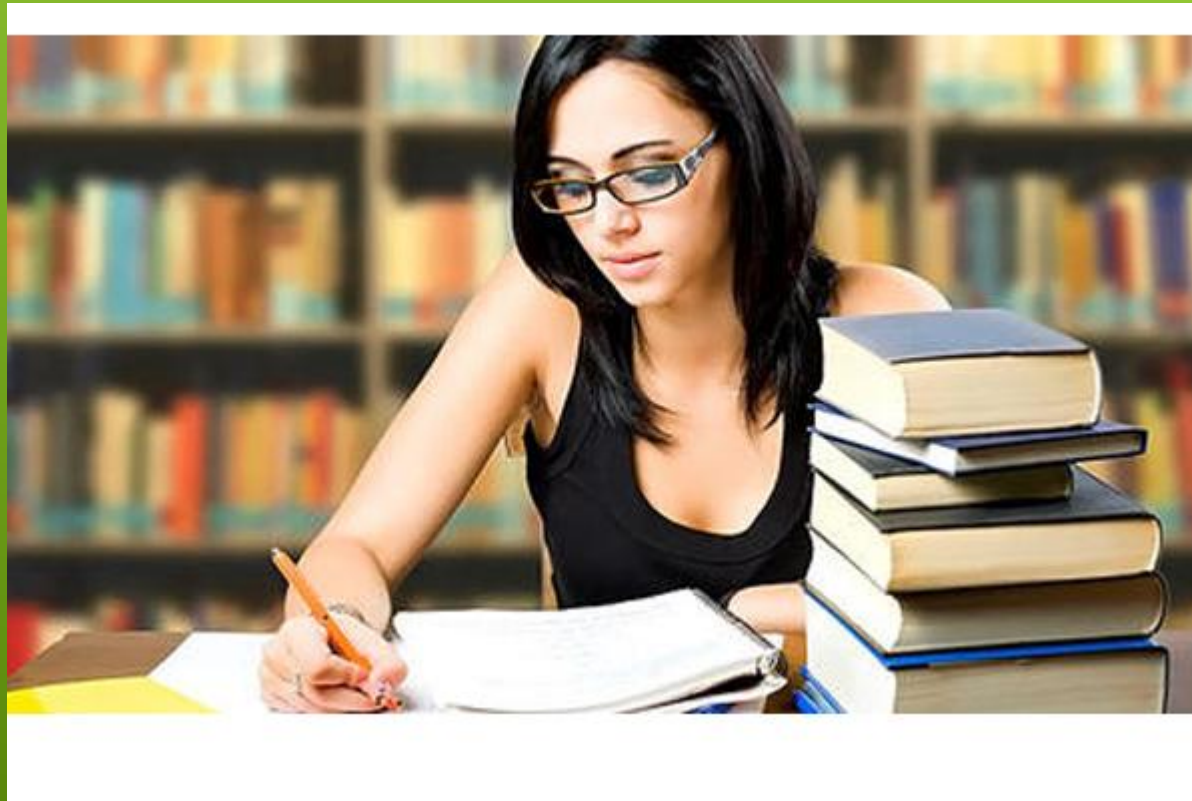
The list of referenced standards starts with the words "This dissertation uses references to the following standards"

DEFINITIONS" CONTAINS DEFINITIONS NECESSARY FOR CLARIFYING OR ESTABLISHING THE TERMS USED IN THE DISSERTATION

List of definitions begin with the words: "in this dissertation, the following terms are used with relevant definitions"



"Denotations and abbreviations" contains a list of designations and abbreviations used in the dissertation.



"Introduction" should contain an assessment of the current state of the problem being solved, the basis and initial data for the development of the topic, the rationale for the need for this research (experimental research) work.



The main part of the dissertation should contain a choice of research direction, methods for solving problems and their comparative assessment, description of the chosen general methodology conducting research (experimental research) work, new materials or generalizing previously known provisions from other scientific positions or in a new perspective aspect



THE CONCLUSION OF THE MASTER'S THESIS SHOULD CONTAIN:

- ▶ – brief conclusions on the results of the dissertation research;
- ▶ - assessment of the completeness of solutions to the tasks;
- ▶ – development of recommendations and baseline data for specific use results;
- ▶ – assessment of the technical and economic efficiency of implementation



The structural element "List of used sources" should contain information about the sources used in writing the dissertation.



"APPENDICES" ARE RECOMMENDED TO INCLUDE MATERIALS RELATED TO THE COMPLETED DISSERTATION.

Master's thesis must be completed by computer one side of A4 white paper, single spaced, Times font New Roman, size 14, margins: left margin -30 mm, right margin -10 mm, top -15 mm, bottom - 20 mm.

The recommended volume of the master's thesis is 60-80 pages for natural science and technical specialties, for socio-humanitarian specialties the volume of the dissertation can reach 100-120 pages. Applications in the specified volume of the dissertation is not included.