

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

**Federal State Autonomous Educational Institution of Higher Education
«National Research Lobachevsky State University of Nizhny Novgorod»**

Институт клинической медицины

УТВЕРЖДЕНО

решением Ученого совета ННГУ

протокол № 10 от 02.12.2024 г.

Working programme of the discipline

Basics of a Project Activity

Higher education level

Specialist degree

Area of study / speciality

31.05.01 - General Medicine

Focus /specialization of the study programme

General Medicine

Mode of study

full-time

Nizhny Novgorod

Year of commencement of studies 2025

1. Место дисциплины в структуре ОПОП

Дисциплина Б1.О.07 Введение в проектную деятельность относится к обязательной части образовательной программы.

2. Планируемые результаты обучения по дисциплине, соотнесенные с планируемыми результатами освоения образовательной программы (компетенциями и индикаторами достижения компетенций)

Формируемые компетенции (код, содержание компетенции)	Планируемые результаты обучения по дисциплине (модулю), в соответствии с индикатором достижения компетенции		Наименование оценочного средства	
	Индикатор достижения компетенции (код, содержание индикатора)	Результаты обучения по дисциплине	Для текущего контроля успеваемости	Для промежуточной аттестации
УК-2: Способен управлять проектом на всех этапах его жизненного цикла	<p>УК-2.1: Формулирует в рамках поставленной цели проекта совокупность взаимосвязанных задач, обеспечивающих ее достижение. Определяет ожидаемые результаты решения выделенных задач</p> <p>УК-2.2: Проектирует решение конкретной задачи проекта, выбирая оптимальный способ ее решения, исходя из действующих правовых норм, имеющихся ресурсов и ограничений.</p> <p>УК-2.3: Решает конкретные задачи проекта заявленного качества и за установленное время</p> <p>УК-2.4: Публично представляет результаты решения конкретной задачи проекта.</p>	<p>УК-2.1: Knows possible ways (algorithms) of putting project results into practice, current legal norms, available resources and limitations; algorithms for finding optimal ways to solve problems within the framework of a given goal; ways to define a set of interrelated tasks within the framework of a given work goal, ensuring its achievement</p> <p>УК-2.2: He is able to organize and coordinate the work of project participants, contribute to the constructive overcoming of emerging disagreements and conflicts, and provide the team with the necessary resources.;</p>	<p>Задания</p> <p>Тест</p>	<p>Зачёт:</p> <p>Доклад</p>

		<p>to present publicly the results of the project (or its individual stages) in the form of reports, articles, speeches at scientific and practical seminars and conferences; see the result of an activity and plan a sequence of steps to achieve it; create a schedule</p> <p>for the project implementation and a plan for monitoring its implementation</p> <p>УК-2.3: Knows how to develop a project concept within the framework of the designated problem, formulating goals, objectives, relevance, significance (scientific, practical, methodological and other depending on the type of project)</p> <p>УК-2.4: Knows how to present the results of the work performed or a specific project task.</p>		
<p>УК-3: Способен организовывать и руководить работой команды, вырабатывая командную стратегию для достижения поставленной цели</p>	<p>УК-3.1: Понимает эффективность использования стратегии сотрудничества для достижения поставленной цели, определяет свою роль в команде.</p> <p>УК-3.2: Понимает особенности поведения выделенных групп людей, с которыми работает/взаимодействует,</p>	<p>УК-3.1: Understands the effectiveness of using a collaboration strategy to achieve a set goal, defines his role in the team.</p> <p>УК-3.2: Understands the behavioral characteristics of the selected groups of people with whom he works/interacts, and takes them</p>	<p>Задания Тест</p>	<p>Зачёт: Доклад</p>

	<p>учитывает их в своей деятельности (выбор категорий групп людей осуществляется образовательной организацией в зависимости от целей подготовки, по возрастным особенностям, по этническому или религиозному признаку, социально незащищенные слои населения и т.п).</p> <p>УК-3.3: Предвидит результаты (последствия) личных действий и планирует последовательность шагов для достижения заданного результата и эффективно взаимодействует с другими членами команды, в том числе участвует в обмене информацией, знаниями и опытом, и презентации результатов работы команды.</p>	<p>into account in his activities (the choice of categories of groups of people is carried out by the educational organization depending on the goals of training, age characteristics, ethnic or religious characteristics, socially vulnerable segments of the population, etc.).</p> <p>УК-3.3: Understands the behavioral characteristics of the selected groups of people with whom he works/interacts, and takes them into account in his activities (the choice of categories of groups of people is carried out by the educational organization depending on the goals of training, age characteristics, ethnic or religious characteristics, socially vulnerable segments of the population, etc.).</p>		
--	--	--	--	--

3. Структура и содержание дисциплины

3.1 Трудоемкость дисциплины

	очная
Общая трудоемкость, з.е.	2
Часов по учебному плану	72
в том числе	
аудиторные занятия (контактная работа):	
- занятия лекционного типа	8
- занятия семинарского типа (практические занятия / лабораторные работы)	14
- КСР	1
самостоятельная работа	49
Промежуточная аттестация	0
	Зачёт

3.2. Содержание дисциплины

(структурированное по темам (разделам) с указанием отведенного на них количества академических часов и виды учебных занятий)

Наименование разделов и тем дисциплины	Всего (часы)	в том числе			
		Контактная работа (работа во взаимодействии с преподавателем), часы из них			Самостоятельная работа обучающегося, часы
		Занятия лекционного типа	Занятия семинарского типа (практические занятия/ лабора- торные работы), часы	Всего	
	Ф Ф Ф	Ф Ф Ф	Ф Ф Ф	Ф Ф Ф	Ф Ф Ф
Topic 1. The structure of scientific work	10	1	2	3	7
Topic 2. Scientific review	10	1	2	3	7
Topic 3. Scientific work plan	10	1	2	3	7
Topic 4. Literary review	10	1	2	3	7
Topic 5. Abstract of scientific work	9	1	2	3	6
Topic 6. Informed consent	8	1	2	3	5
Topic 7. Creation of a scientific article	8	1	1	2	6
Topic 8. Creating abstracts and posters	6	1	1	2	4
Аттестация	0				
КСР	1				1
Итого	72	8	14	23	49

Contents of sections and topics of the discipline

Topic 1. The structure of scientific work
 Topic 2. Scientific review
 Topic 3. Scientific work plan
 Topic 4. Literary review
 Topic 5. Abstract of scientific work
 Topic 6. Informed consent
 Topic 7. Creation of a scientific article
 Topic 8. Creating abstracts and posters

4. Учебно-методическое обеспечение самостоятельной работы обучающихся

Самостоятельная работа обучающихся включает в себя подготовку к контрольным вопросам и заданиям для текущего контроля и промежуточной аттестации по итогам освоения дисциплины приведенным в п. 5.

Авдеев, В. В. Управление персоналом : технология формирования команды : учебное пособие / Авдеев В. В. - Москва : Финансы и статистика, 2021. - 544 с. - ISBN 978-5-00184-018-3.

- Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785001840183.html> (дата обращения: 04.10.2022).

5. Assessment tools for ongoing monitoring of learning progress and interim certification in the discipline (module)

5.1 Model assignments required for assessment of learning outcomes during the ongoing monitoring of learning progress with the criteria for their assessment:

5.1.1 Model assignments (assessment tool - Assignments) to assess the development of the competency YK-2:

1. Write a research preparation plan (plan of the answer to the question: definition, characteristics)
2. Make adjustments to the research plan when the research topic changes.(plan of the answer to the question: definition, characteristics)
3. To plan the materials and methods of research, to characterize the criteria for inclusion exclusion(plan of the answer to the question: definition, characteristics)
4. Indicate the relevance of the research and create an introduction with citations of literary sources (plan of the answer to the question: definition, characteristics)
5. Create a literary review on the project topic with relevant literary sources (plan of the answer to the question: definition, characteristics)
6. Create an abstract of a scientific paper (plan of the answer to the question: definition, characteristics)
7. Create a review for a thesis or presentation (plan of the answer to the question: definition, characteristics)
8. Create a critical review for a literary review(plan of the answer to the question: definition, characteristics)
9. Create a review for the grant project (plan of the answer to the question: definition, characteristics)
10. Create a grant project (plan of the answer to the question: definition, characteristics)

11. Properly arrange the list of references (plan of the answer to the question: definition, characteristics)
12. Correctly describe the results of the proposed study and make edits. (plan of the answer to the question: definition, characteristics)
13. Describe a scientific article (plan of the answer to the question: definition, characteristics)
14. select research objects (plan of the answer to the question: definition, characteristics)
15. characterize the study groups for comparison (plan of the answer to the question: definition, characteristics)
16. correctly describe the relevance of the chosen research topic (plan of the answer to the question: definition, characteristics)
17. to define and characterize research methods (plan of the answer to the question: definition, characteristics)
18. define inclusion and exclusion criteria for a group of subjects (plan of the answer to the question: definition, characteristics)
19. give feedback on theses (plan of the answer to the question: definition, characteristics)
- 20 give feedback on the report (plan of the answer to the question: definition, characteristics)

5.1.2 Model assignments (assessment tool - Assignments) to assess the development of the competency YK-3:

1. Draft a study (plan of the answer to the question: definition, characteristics)
2. Assign responsibilities to the study participants (plan of the answer to the question: definition, characteristics)
3. Create a poster in a group of researchers (plan of the answer to the question: definition, characteristics)
4. Write theses (plan of the answer to the question: definition, characteristics)
5. Write a report on any topic. (plan of the answer to the question: definition, characteristics)
6. Write an introduction to a scientific article (plan of the answer to the question: definition, characteristics)
7. Write a scientific research protocol (plan of the answer to the question: definition, characteristics)
8. Draw a comparison table for groups of research objects (plan of the answer to the question: definition, characteristics)
9. Determine the data storage method (plan of the answer to the question: definition, characteristics)
10. Determine the data sorting method (plan of the answer to the question: definition, characteristics)
11. Write a research project for a grant (plan of the answer to the question: definition, characteristics)

12. create a presentation for a startup (plan of the answer to the question: definition, characteristics)
13. create a presentation for the conference (plan of the answer to the question: definition, characteristics)
14. create a presentation to advertise the project (plan of the answer to the question: definition, characteristics)
15. create an advertisement for the project (plan of the answer to the question: definition, characteristics)
16. Create a short abstract (plan of the answer to the question: definition, characteristics)
17. create an abstract (plan of the answer to the question: definition, characteristics)
18. create a review for the presentation (plan of the answer to the question: definition, characteristics)
19. to oppose a comrade's speech (plan of the answer to the question: definition, characteristics)
20. Create a critical review (plan of the answer to the question: definition, characteristics)

Assessment criteria (assessment tool — Assignments)

Grade	Assessment criteria
pass	All competencies (parts of competencies) that the discipline is aimed at forming are formed at a level not lower than "satisfactory", while at least one competence is formed at the "satisfactory" level
fail	At least one competence has been formed at the "unsatisfactory" level.

5.1.3 Model assignments (assessment tool - Test) to assess the development of the competency YK-2:

1. The most concise document containing information about scientific work is
 - A) the abstract
 - B) the poster
 - C) the abstract
 - D) the article

2. The most complete document containing information about scientific work is
 - A) dissertation
 - B) the poster
 - C) the abstract

D) the article

3. At the beginning of a scientific article, there should be

A) conclusion

B) discussion

C) introduction

D) results

4. The chapter characterizing the method of obtaining results is called

A) Introduction

B) Materials and methods

D) conclusion

E) conclusions

5. The chapter characterizing the results is called

A) Introduction

B) results

D) conclusion

E) conclusions

6. The chapter containing the conclusions is called

A) Introduction

B) results

D) conclusion

E) conclusions

7. The chapter containing the discussion on the topic of the work is called

A) Introduction

B) results

- D) discussion
- E) conclusions

8. A literary review is

- A) a brief overview of literary sources
- B) the results of the study
- C) Materials and methods
- D) You're right

9. The literature review indicates

- A) the necessity and novelty of the research
- B) shortcomings
- C) achievements of the author
- D) plans for the future

10. The general characteristic of the study as a whole is

- A) scientific work plan
- B) literary review
- C) revision
- D) monitoring

11. the necessary quality of scientific work

- A) scientific novelty
- B) the volume of more than 1 sheet
- C) more than 1 literary reference
- D) a specific font

12. A brief description of the scientific work is called

- A) modulation
- B) annotation

D) Overview

E) Materials and methods

13. The extended abstract contains

A) Research plan and expected results

B) overview

C) Technical specifications

D) the abstract

14. Abstract A recommendation has the following properties

A) index fingers

B) recommendations

C) imperative

D) binding

15. A literary review as an article should contain at least

A) 50 sources

B) 2 sources

C) 10 sources

D) more than 200

16. The percentage of literary students under the age of 10 should be

A) 65%

B) 10%

C) 8%

D) 1%

17. Literary sources are designed according to

A) GOST

B) the author's wish

C) how convenient

D) in different ways

18. The literary sources in the dissertation are located

A) Alphabetically

B) according to the order of arrangement in the text

C) by authors

D) by name

19. The candidate's thesis must contain at least

A) at least 150 literary sources

B) less than 50

C) 400

D)

20. the doctoral thesis must contain at least

A) at least 200-250 literary sources

B) less than 50

C) 400

G) 10

1-a

2-a

3-B

4-6

5-6

6-d

7-d

8-a

9-a

10-a

11-a

12 -a

13 -a

14 -6

15 -a

16- a

17-a

18-a

19- a

20- a

**5.1.4 Model assignments (assessment tool - Test) to assess the development of the competency
YK-3:**

21. The candidate's thesis must contain at least

A) at least 100 sheets

B) less than 50

C)400

D)10

21. The doctoral thesis must contain at least

A) at least 200 sheets

B) less than 50

C)400

D)10

22. The document required for the patient's participation in the study is called

A) Abstract

B) informed consent

C)Overview

D) the article

23. Informed consent of the patient is being developed

- A) the patient
- B) a researcher
- C) by the State
- D) relatives of the patient

24. Informed consent is a document provided in

- A) The Ethics Committee
- B) The Olympic Committee
- C) WHO
- D) GIA

25. literary sources are located in the article

- A) in the middle
- B) at the end of the article
- C) in the course of the text
- D) at the beginning

26. References to literary sources are located in the article.

- A) in the middle
- B) at the end of the article
- C) in the course of the text
- D) at the beginning

27. the design of literary references is regulated

- A) GOST
- B) WHO
- C) GIA
- D) ELISA

28. The most concise document containing information about scientific work is

- A) the abstract

- B) the poster
- C) the abstract
- D) the article

29. The most complete document containing information about scientific work is

- A) dissertation
- B) the poster
- C) the abstract
- D) the article

30. At the beginning of a scientific article, there should be

- A) conclusion
- B) discussion
- C) introduction
- D) results

31. The chapter characterizing the method of obtaining results is called

- A) Introduction
- B) Materials and methods
- D) conclusion
- E) conclusions

32. The chapter characterizing the results is called

- A) Introduction
- B) results
- D) conclusion
- E) conclusions

33. The chapter containing the conclusions is called

- A) Introduction
- B) results
- D) conclusion
- E) conclusions

34. The chapter containing the discussion on the topic of the work is called

- A) Introduction
- B) results
- D) discussion
- E) conclusions

35. A literary review is

- A) a brief overview of literary sources
- B) the results of the study
- C) Materials and methods
- D) You're right

36. The literature review indicates that

- A) the necessity and novelty of the research
- B) shortcomings
- C) achievements of the author
- D) plans for the future

37. The general characteristic of the study as a whole is

- A) scientific work plan
- B) literary review
- C) revision
- D) monitoring

38. the necessary quality of scientific work

- A) scientific novelty
- B) the volume of more than 1 sheet
- C) more than 1 literary reference
- D) a certain font

39. a brief description of the scientific work is called

- A) modulation
- B) annotation
- D) Overview
- E) Materials and methods

40. The extended abstract contains

- A) Research plan and expected results
- B) overview
- C) Technical specifications
- D) the abstract

21-a

22-6

22-6

24-a

25-6

26-c

27-a

28-a

29-a

30-c

31-6

32-6

33-d

34-d

35-a

36-a

37-a

38-a

39-a

40-a

Assessment criteria (assessment tool — Test)

Grade	Assessment criteria
pass	All competencies (parts of competencies) that the discipline is aimed at forming are formed at a level not lower than "satisfactory", while at least one competence is formed at the "satisfactory" level
fail	At least one competence has been formed at the "unsatisfactory" level.

5.2. Description of scales for assessing learning outcomes in the discipline during interim certification**Шкала оценивания сформированности компетенций**

Уровень сформированности компетенций (индикатора достижения компетенций)	плохо	неудовлетворительно	удовлетворительно	хорошо	очень хорошо	отлично	превосходно
	не зачтено		зачтено				
<u>Знания</u>	Отсутствие знаний теоретического материала. Невозможность оценить полноту знаний вследствие отказа	Уровень знаний ниже минимальных требований. Имели место грубые ошибки	Минимально допустимый уровень знаний. Допущено много негрубых ошибок	Уровень знаний в объеме, соответствующем программе подготовки. Допущено несколько	Уровень знаний в объеме, соответствующем программе подготовки. Допущено несколько	Уровень знаний в объеме, соответствующем программе подготовки. Ошибок нет.	Уровень знаний в объеме, превышающем программу подготовки.

	обучающегося от ответа			негрубых ошибок	несущественных ошибок		
<u>Умения</u>	Отсутствие минимальных умений. Невозможность оценить наличие умений вследствие отказа обучающегося от ответа	При решении стандартных задач не продемонстрированы основные умения. Имели место грубые ошибки	Продемонстрированы основные умения. Решены типовые задачи с негрубыми ошибками. Выполнены все задания, но не в полном объеме	Продемонстрированы все основные умения. Решены все основные задачи с негрубыми ошибками. Выполнены все задания в полном объеме, но некоторые с недочетами	Продемонстрированы все основные умения. Решены все основные задачи. Выполнены все задания в полном объеме, но некоторые с недочетами.	Продемонстрированы все основные умения. Решены все основные задачи с отдельными и несущественными недочетами, выполнены все задания в полном объеме	Продемонстрированы все основные умения. Решены все основные задачи. Выполнены все задания, в полном объеме без недочетов
<u>Навыки</u>	Отсутствие базовых навыков. Невозможность оценить наличие навыков вследствие отказа обучающегося от ответа	При решении стандартных задач не продемонстрированы базовые навыки. Имели место грубые ошибки	Имеется минимальный набор навыков для решения стандартных задач с некоторыми недочетами	Продемонстрированы базовые навыки при решении стандартных задач с некоторыми недочетами	Продемонстрированы базовые навыки при решении стандартных задач без ошибок и недочетов	Продемонстрированы навыки при решении нестандартных задач без ошибок и недочетов	Продемонстрирован творческий подход к решению нестандартных задач

Scale of assessment for interim certification

Grade		Assessment criteria
pass	outstanding	All the competencies (parts of competencies) to be developed within the discipline have been developed at a level no lower than "outstanding", the knowledge and skills for the relevant competencies have been demonstrated at a level higher than the one set out in the programme.
	excellent	All the competencies (parts of competencies) to be developed within the discipline have been developed at a level no lower than "excellent",
	very good	All the competencies (parts of competencies) to be developed within the discipline have been developed at a level no lower than "very good",
	good	All the competencies (parts of competencies) to be developed within the discipline have been developed at a level no lower than "good",
	satisfactory	All the competencies (parts of competencies) to be developed within the discipline have been developed at a level no lower than "satisfactory", with at least one competency developed at the "satisfactory" level.
fail	unsatisfactory	At least one competency has been developed at the "unsatisfactory" level.
	poor	At least one competency has been developed at the "poor" level.

5.3 Model control assignments or other materials required to assess learning outcomes during the interim certification with the criteria for their assessment:

5.3.1 Model assignments (assessment tool - Report) to assess the development of the competency YK-2

1. Artificial intelligence in medicine (plan of the answer to the question: definition, characteristics)
2. Telemedicine (plan of the answer to the question: definition, characteristics)
3. Registration of literary references GOST (plan of the answer to the question: definition, characteristics)
4. Dissertation plan (plan of the answer to the question: definition, characteristics)
5. Modern research technologies in medicine (plan of the answer to the question: definition, characteristics)
6. The structure of the literature review (plan of the answer to the question: definition, characteristics)
7. Annotation structure (plan of the answer to the question: definition, characteristics)
8. Structure of informed consent (plan of the answer to the question: definition, characteristics)
6. Machine learning (plan of the answer to the question: definition, characteristics)
7. Wearable devices (plan of the answer to the question: definition, characteristics)
8. AI in surgery (plan of the answer to the question: definition, characteristics)
9. AI in ENT specialty (plan of the answer to the question: definition, characteristics)
10. AI in neurology (plan of the answer to the question: definition, characteristics)
11. - And And in infectious diseases (plan of the answer to the question: definition, characteristics)
12. - And administration (plan of the answer to the question: definition, characteristics)

13. 3d models and printing (plan of the answer to the question: definition, characteristics)
14. endo and exoprosthesis (plan of the answer to the question: definition, characteristics)
15. technologies of the future of medicine in cinema and literature (plan of the answer to the question: definition, characteristics)
16. AI in genetics (plan of the answer to the question: definition, characteristics)
17. electronic hospital (plan of the answer to the question: definition, characteristics)
18. establishment of a telemedicine center (plan of the answer to the question: definition, characteristics)
19. non-invasive diagnostic methods in medicine (plan of the answer to the question: definition, characteristics)
20. modeling of appearance, tattoos, etc. (plan of the answer to the question: definition, characteristics)

5.3.2 Model assignments (assessment tool - Report) to assess the development of the competency YK-3

1. Wearable devices (plan of the answer to the question: definition, characteristics)
2. AI in surgery (plan of the answer to the question: definition, characteristics)
3. AI in ENT specialty (plan of the answer to the question: definition, characteristics)
4. AI in neurology (plan of the answer to the question: definition, characteristics)
5. - And And in infectious diseases (plan of the answer to the question: definition, characteristics)
6. - And administration (plan of the answer to the question: definition, characteristics)
7. 3d models and printing (plan of the answer to the question: definition, characteristics)
8. endo and exoprosthesis (plan of the answer to the question: definition, characteristics)
9. What are new medical technologies, examples (plan of the answer to the question: definition, characteristics)
10. What are neural networks, principles of the device, examples from practice (plan of the answer to the question: definition, characteristics)
11. What are databases, how are they created, what requirements are imposed on them, examples of medical databases where they are used (plan of the answer to the question: definition, characteristics)
12. What is machine learning and deep machine learning, what principles does it work on, and what data does it use? (plan of the answer to the question: definition, characteristics)
13. establishment of a telemedicine center (plan of the answer to the question: definition, characteristics)
10. Non-invasive diagnostic methods in medicine (plan of the answer to the question: definition, characteristics)(plan of the answer to the question: definition, characteristics)

Assessment criteria (assessment tool — Report)

Grade	Assessment criteria
pass	All competencies (parts of competencies) that the discipline is aimed at forming are formed at a level

Grade	Assessment criteria
	not lower than "satisfactory", while at least one competence is formed at the "satisfactory" level
fail	At least one competence has been formed at the "unsatisfactory" level.

6. Учебно-методическое и информационное обеспечение дисциплины (модуля)

Основная литература:

1. Petrova N. F. Methodology of scientific research: student workbook / Petrova N. F. - Ставрополь : СКФУ, 2023. - 122 с. - Книга из коллекции СКФУ - Психология. Педагогика., <https://e-lib.unn.ru/MegaPro/UserEntry?Action=FindDocs&ids=893688&idb=0>.
2. Совершенствование лексических навыков для работы с англоязычной литературой по прикладной экологии = Developing lexical skills for working with scientific sources on applied ecology in English : учебное пособие / Гоюшова Л. М., Мурманцева Е. Ю., Сорокин А. Е., Чуксина О. В. - Москва : МАИ, 2022. - 126 с. - Книга из коллекции МАИ - Психология. Педагогика. - ISBN 978-5-4316-0959-6., <https://e-lib.unn.ru/MegaPro/UserEntry?Action=FindDocs&ids=859291&idb=0>.
3. Petrova N. F. Methodology of scientific research: student workbook / Petrova N. F. - Ставрополь : СКФУ, 2023. - 122 с. - Книга из коллекции СКФУ - Психология. Педагогика., <https://e-lib.unn.ru/MegaPro/UserEntry?Action=FindDocs&ids=893688&idb=0>.
4. Совершенствование лексических навыков для работы с англоязычной литературой по прикладной экологии = Developing lexical skills for working with scientific sources on applied ecology in English : учебное пособие / Гоюшова Л. М., Мурманцева Е. Ю., Сорокин А. Е., Чуксина О. В. - Москва : МАИ, 2022. - 126 с. - Книга из коллекции МАИ - Психология. Педагогика. - ISBN 978-5-4316-0959-6., <https://e-lib.unn.ru/MegaPro/UserEntry?Action=FindDocs&ids=859291&idb=0>.

Дополнительная литература:

1. Мархинин Василий Васильевич. О специфике социально-гуманитарных наук: опыт философии науки : Монография / Сургутский государственный университет; Сургутский государственный университет. - Москва : Издательская группа "Логос", 2020. - 295 с. - ВО - Магистратура. - ISBN 978-5-98704-726-2., <https://e-lib.unn.ru/MegaPro/UserEntry?Action=FindDocs&ids=740313&idb=0>.
2. Абросимов А. В. Знакомство с математическими пакетами Maple V и Scientific Work Place : учебно-методические материалы по программе повышения квалификации «Применение программных средств в научных исследованиях и преподавании математики и механики» / А. В. Абросимов ; ННГУ им. Н. И. Лобачевского. - Нижний Новгород : Изд-во ННГУ, 2007. - 89 с. - Текст : электронный., <https://e-lib.unn.ru/MegaPro/UserEntry?Action=FindDocs&ids=849401&idb=0>.

Программное обеспечение и Интернет-ресурсы (в соответствии с содержанием дисциплины):

ЭБС «Юрайт». Режим доступа: <http://biblio-online.ru>.

ЭБС «Консультант студента». Режим доступа: <http://www.studentlibrary.ru>.

ЭБС «Лань». Режим доступа: <http://e.lanbook.com/>.

ЭБС «Znanium.com». Режим доступа: www.znanium.com.

7. Материально-техническое обеспечение дисциплины (модуля)

Учебные аудитории для проведения учебных занятий, предусмотренных образовательной программой, оснащены мультимедийным оборудованием (проектор, экран), техническими средствами обучения, компьютерами.

Помещения для самостоятельной работы обучающихся оснащены компьютерной техникой с возможностью подключения к сети "Интернет" и обеспечены доступом в электронную информационно-образовательную среду.

Программа составлена в соответствии с требованиями ФГОС ВО по направлению подготовки/специальности 31.05.01 - General Medicine.

Авторы: Петрова Ксения Сергеевна, доктор медицинских наук, доцент.

Заведующий кафедрой: Шарабрин Евгений Георгиевич, доктор медицинских наук.

Программа одобрена на заседании методической комиссии от 28 ноября 2024, протокол № №9.