


Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

**APPROVED BY**  
by the decision of the Academic Council of the USU  
Institute of Medicine, Ecology and Physical Culture  
16.05.2024 Record No. 9/260

Chairman Mashin V.V.  
*(Signature, Name)*  
« 16 » May 2024.

### EDUCATIONAL PLAN

Discipline	Outpatient therapy
Faculty	Medical faculty of T.Z. Biktimirov
Name of department	Hospital therapy, occupational Therapy and occupational diseases
Course	5,6

Direction (specialty) 31.05.01 General medicine

the code of the direction (specialty), full name

Orientation (profile/specialty) not provided

full name

Form of training full-time




full-time, part-time, part-time (specify only those that are being implemented)


Date of introduction into the academic process at Ulyanovsk State University 01.09.2024 г.

Revised at the Department meeting, Record No. \_\_\_\_\_ of \_\_\_\_\_ « \_\_\_\_\_ » 20\_\_  
 Revised at the Department meeting, Record No. \_\_\_\_\_ of \_\_\_\_\_ « \_\_\_\_\_ » 20\_\_  
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 Revised at the Department meeting, Record No. \_\_\_\_\_ of \_\_\_\_\_ « \_\_\_\_\_ » 20\_\_

Information about the developers:

Initials	Abbreviation of the department	Degree, scientific rank
Vize-Khripunova Marina Anatolyevna	Hospital therapy	Head of the Department, PhD, associate Professor
Shutov Alexander Mikhailovich	Therapy and occupational diseases	Head of the Department, MD, Professor
Sharshova Svetlana Mikhailovna	Hospital therapy	PhD, associate Professor of department HT
Efremova Elena Vladimirovna	Therapy and occupational diseases	MD, Associate Professor of department TaOD, associate Professor

Agreed	Agreed
Head of department, developing discipline	Head of the graduating Department Hospital therapy
(  /A.M. Shutov./ <small>Signature Full name</small> "16" May 2024г.	(  M.A. Vize-Khripunova <small>Signature Full name</small> "16" May 2024г..
(  /M.A. Vize-Khripunova ./ <small>Signature Full name</small> "16" May 2024г.	

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## 1. OBJECTIVES AND AIM OF

### Objectives of the discipline:

Training of a highly qualified doctor who has certain knowledge in the field of polyclinic therapy, taking into account further training and professional activity in the specialty " Medical business»

### Tasks of discipline development:

To acquaint students with the basic principles of the organization of medical and preventive care for the bulk of the population in a polyclinic;

To acquaint students with features of the organization and volume of work of the therapist in polyclinic with modern diagnostic possibilities of polyclinic service and to train them in rational use;

To develop skills of clinical thinking on diagnostics in polyclinic of the most frequently occurring therapeutic diseases, an assessment of features of their current, outpatient treatment, primary and secondary prevention, examination of working capacity.

## 2. PLACE OF THE SUBJECT IN THE STRUCTURE OF GEP:

The discipline "Outpatient therapy" refers to the basic part of .

The basic knowledge, skills and competencies of the student required to study the discipline are formed:

Propaedeutics of internal diseases;

Dermatovenerology; Pediatrics; Occupational disease; Psychiatry, medical psychology; Hospital surgery, children's surgery; Epidemiology; Oncology, radiation therapy; Radiodiagnostics ; Clinical psychology; Current issues of HIV infection; Practice; General surgery, introduction to the specialty; Pharmacology; Dentistry; Neurology, medical genetics, neurosurgery; Obstetrics and gynecology; Faculty therapy; Endocrinology; Infectious disease; Anesthesiology, resuscitation and intensive care; Phthisiology; Clinical pharmacology; Modern aspects of neurology; Current issues of hospital surgery; Immunology; Diagnosis and treatment of extrapulmonary tuberculosis; Palliative medicine; Diabetology and emergency endocrinology; Public health and healthcare; Forensic medicine; Clinical pathological anatomy; Topical issues of internal diseases; Ophthalmology; Modern problems of miscarriage; Assistant ward nurse; Assistant to the procedural nurse (part 1) Assistant to the procedural nurse (part 2) Clinical practice (assistant to the hospital doctor). Practice in obtaining professional skills and professional experience (Assistant doctor of an outpatient clinic).

The next discipline is hospital therapy, which completes the formation of knowledge, skills and abilities for successful completion of the IGA. Preparation for and passing the state exam.

## 3. LIST OF EXPECTED RESULTS OF INSTRUCTION ON THE SUBJECT (UNIT), CORELATED WITH PLANNED RESULTS OF COMPLETING THE PROGRAM

The study of the subject «» within the completion of the educational program is directed towards the formation of the following general and professional competences in students: e, the following competencies are formed: OPK-7, OPK-11, PK-3, PK-5

Code and name of the implemented competence	List of planned learning outcomes in the discipline (module), correlated with indicators of competence achievement
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<p>OPK -7 Able to prescribe treatment and monitor its effectiveness and safety</p>	<p><b>To know:</b> classification and main characteristics of medicines, pharmacodynamics and pharmacokinetics indications and contraindications to the use of medicines, side effects; general principles of prescribing and composing prescription prescriptions of medicines; methods of treatment and indications for their use; mechanism of therapeutic effect of physical therapy and physiotherapy, indications and contraindications to their appointment, features of their implementation; types and methods of temporary general anesthesia (mask, endotracheal, intravenous), prevention of postoperative pulmonary complications, - clinical and pharmacological characteristics of the main groups of drugs and rational choice of specific drugs in the treatment of major pathological syndromes diseases and abnormal conditions in patients, including the basics of anti-doping legislation.</p> <p><b>Be able to:</b> use physical, chemical and biological equipment; classify chemical compounds based on their structural formulas; predict the direction and result of physico-chemical processes and chemical transformations of biologically important substances; use the IUPAC nomenclature for naming typical representatives of biologically important substances and medicines; analyze the effect of drugs on the totality of their pharmacological properties and the possibility of their use for therapeutic treatment; prescribe prescriptions of medicines, use various dosage forms in the treatment of certain pathological conditions, based on the characteristics of their pharmacodynamics and pharmacokinetics; apply basic antibacterial antiviral and biological drugs; evaluate possible manifestations of drug overdose and ways to eliminate them; formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents, justify pharmacotherapy in a particular patient with major pathological syndromes and urgent conditions, determine the route of administration, regimen and dose of medications, evaluate the effectiveness and safety of the treatment; apply various methods of administration of medicinal preparations.</p> <p><b>Possess:</b> methods of analyzing clinical, laboratory and instrumental data to determine the patient's management algorithm, drawing up medical and non-drug treatment regimens.</p>
<p>OPK -11 Is able to prepare and apply scientific, scientific-production, design, organizational-management and regulatory documentation in the healthcare system</p>	<p><b>To know:</b> the maintenance of standard accounting and reporting medical documentation in medical organizations; the basics of the technique of translating scientific text by specialty, the basics of annotating and referencing scientific text; the main types of special reference literature and rules for working with it; the concept of science; classification of sciences; scientific research and its stages; method-</p>



	<p>ological foundations of scientific knowledge, modern classification diseases.</p> <p><b>Be able to:</b> use databases for storing and using information in healthcare; use computer programs to solve problems of mathematical statistics in professional activity; interpret and use data from the main instrumental methods of examination (ECG, ultrasound, X-ray, ECHO CS, FVD, FGDS, etc.), independently take an ECG; properly issue the documentation.</p> <p><b>Possess:</b> the basics of working on a personal computer, the ability to maintain medical documentation.</p>
<p>PK-3 Readiness to manage and treat patients with various nosological forms in outpatient and day hospital settings</p>	<p><b>Know:</b> criteria for the diagnosis of the most common diseases of internal organs. Features of the organization and scope of work of an outpatient doctor, modern diagnostic capabilities of the polyclinic service, methods of emergency measures, indications for planned hospitalization; features of the treatment of diseases of internal organs in outpatient polyclinic conditions, including day hospital conditions.</p> <p><b>Be able to:</b> formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents; develop an algorithm of tactics for managing a patient with a therapeutic profile in a polyclinic.</p> <p><b>Possess:</b> an algorithm for determining the tactics of managing a patient with therapeutic pathology, conducting a differential diagnosis in therapeutic pathology.</p>
<p>PK-5 Ability and readiness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, their early diagnosis, identification of the causes and conditions of their occurrence and development, as well as aimed at eliminating the harmful effects on human health of environmental factors</p>	<p><b>To know:</b> the technique of wet cleaning of rooms, ventilation of wards, the technique of current and final disinfection; methods and methods of sanitary treatment of patients in the emergency department; - methods of treatment of patients with pediculosis; methods of anthropometry; dietary tables and their significance in therapeutic measures for the recovery of patients; methods of measuring blood pressure; methods of studying the pulse on the arteries and its properties; methods of counting.</p> <p><b>Be able to:</b> carry out wet cleaning of wards, current and final disinfection; carry out sanitary treatment of the patient in the emergency department; conduct anthropometry; count respiratory movements and evaluate the result; measure arterial pressure; examine the pulse on the arteries and evaluate the result.</p> <p><b>Possess:</b> wet cleaning technique of wards, current and final disinfection; the method of sanitary treatment of the patient in the emergency department; the method of anthropometry; the method of counting respiratory movements; the method of measuring blood pressure; the method of studying the pulse on the artery</p>

#### 4. Volume of the subject

**4.1. Volume of the subject in credit points (total): 12 credits (432 hours)**

**4.2. On types of academic workload (in hours ):432/432\***

Type of academic work	Total according to the plan	Number of hours ((form of education )			
		by semester			
		№ semester 9	№ semester A	№ semester B	№ semester C
1	2	3	4	5	6
Work of students with a teacher	234	72	48	66	48
Classes:					
Lectures	36	18		18	
practical classes and seminars	198	54	48	48	48
lab classes (practical lessons)	-	-	-	-	-
Self-study work	162	36	24	60	42
Concurrent control (number and type: a test, a colloquium, a report)		Testing Abstract, interview	Testing Abstract, interview	Testing Abstract, interview	Testing Abstract, interview
Course paper					
Types of intermediate attestation (examination, test)	exam, test		test		Exam (36 hours)
Total number of hours on the subject	432 (396+36-Э)	108	72	126	126

\*-If it is necessary to use partially or exclusively distance learning technologies in the educational process, the table shows the number of hours of teaching staff working with students for conducting classes in a remote format using e-learning


**4.3. Contents of the discipline (module). Distribution of hours on themes and kinds of study: Number of hours –h**

The form of training: full time

Name of sections and themes	Total	Types of training sessions				Self-studywork	Form of current control
		Classroom lessons			Interactive classes		
		lectures	practical classes, seminars	laboratory work, workshops			
1	2	3	4	5	6	7	
<b>9- A semester</b>							
<b>Section 1. Practical activity of the district therapist of polyclinic</b>							
1.Organization of work of the district therapist. The order of discharge by the district	7	1	6	-	-	-	Testing, abstract, interview

therapist of sick leaves and prescriptions/							
2. Clinical and expert work and principles of medical and social expertise in outpatient practice	4	1	-	-	-	3	Testing, abstract, interview
<b>Section 2. Features of work of the district therapist with patients of different groups of the population</b>							
3. The role and tasks of the therapist to monitor the teenager	6	-	-	-	-	6	Testing, abstract, interview
4. Features of the course and treatment of somatic diseases in the elderly	7	1	3	-	-	3	Testing, abstract, interview
5. Features of somatic pathology during pregnancy	7	1	3	-	-	3	Testing, abstract, interview
<b>Section 3. Diseases of the cardiovascular system</b>							
6. Hypertension and symptomatic hypertension	14	2	12	-	2	6	Testing, abstract, interview
7. Atrial fibrillation.	10	-	6	-	2	4	Testing, abstract, interview
8. Pain in the heart	14	2	12	-	1	-	Testing, abstract, interview
9. Diseases of the myocardium	6	-	6	-	-	-	Testing, abstract, interview
10. Primary and secondary prevention of cardiovascular diseases	11		6		1	5	Testing, abstract, interview
<b>Section 4. Kidney disease</b>							
11. Urinary syndrome	9	-	6	-	1	3	Testing, abstract, interview
12. Acute and chronic glomerulonephritis	14	2	6	-	1	6	Testing, abstract, interview
13. Nephrotic	11	2	6	-	1	3	Testing,

syndrome							abstract, interview
14. Chronic kidney disease	9	-	6	-	2	3	Testing, abstract, interview
15. Chronic pyelonephritis	11	2	6	-	1	3	Testing, abstract, interview
<b>Section 5. Diseases of the joints</b>							
16. Articular syndrome	9	-	6	-	2	3	Testing, abstract, interview
17. Rheumatoid arthritis	9	-	6	-		3	Testing, abstract, interview
18. Osteoarthrosis	11	2	6	-		3	Testing, abstract, interview
19. Gout	11	2	6	-		3	Testing, abstract, interview
<b>Total 9A semester</b>	<b>180</b>	<b>18</b>	<b>102</b>		<b>14</b>	<b>60</b>	
<b>B - C semester</b>							
<b>Section 6. Diseases of the respiratory system</b>							
20. Pneumonias. Diagnosis, treatment, medical examination on an outpatient basis.	12		6	-	2	6	Testing, abstract, interview
21. Flu. ORVI. Anginas. Diagnosis, treatment and prevention.	14	2	6			6	Testing, abstract, interview
22. COPD. Diagnosis, treatment, medical examination on an outpatient basis. ITU.	14	2	6		2	6	Testing, abstract, interview
23. Bronchoobstructive syndrome, differential diagnosis in polyclinic conditions.	8	2				6	Testing, abstract, interview
24. Bronchial asthma. Diagnosis, treatment, medical examination on an outpatient basis. ITU.	12		6			6	Testing, abstract, interview
<b>Section 7. Diseases of the gastrointestinal tract.</b>							

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

25. Abdominal pain syndrome- differential diagnosis in polyclinic conditions.	12		6			6	Testing, abstract, interview
26. Diagnosis and treatment of diseases manifested by diarrhea in the clinic. Functional bowel disease.	14	2	6		2	6	Testing, abstract, interview
27. GERD, chronic gastritis, duodenitis.	14	2	6			6	Testing, abstract, interview
28. Peptic ulcer and 12 duodenal ulcer - diagnosis, treatment, prophylactic medical examination in an outpatient setting	12		6			6	Testing, abstract, interview
29. Chronic pancreatitis	13	1	6			6	Testing, abstract, interview
30. Chronic cholecystitis. Dyskinesia of bile ducts.	13	1	6		2	6	Testing, abstract, interview
31. Liver disease. Diagnosis, treatment, medical examination on an outpatient basis. Medical and social expertise.	14	2	6		2	6	Testing, abstract, interview
<b>Section 8. Blood disease</b>							
32. Anemic syndrome in clinical practice of a polyclinic therapist.	14	2	6			6	Testing, abstract, interview
33. Lingering low-grade fever	14	2	6		2	6	Testing, abstract, interview
<b>Section 9. Diseases of the cardiovascular system</b>							
34. Coronary heart disease. Angina of	12		6		2	6	Testing, abstract, interview



exertion. Diagnosis and treatment at the outpatient stage.							abstract, interview-tion
35. Management of pregnant women with cardiovascular diseases ( Arterial Hypertension, Acquired heart defects). Management of patients in a polyclinic.	12		6			6	Testing-nie, abstract, interview-tion
<b>Section 10. Kidney disease</b>							
36. The defeat of the internal organs in diabetes. Diabetic nephropathy. Management of patients in a polyclinic	12		6		2	6	Testing-nie, abstract, interview-tion
<b>Total B-C semester</b>	<b>216</b>	<b>18</b>	<b>96</b>		<b>16</b>	<b>102</b>	
<b>Total</b>	<b>396</b>	<b>36</b>	<b>234</b>		<b>30</b>	<b>162</b>	

## 5. THE CONTENTS OF DISCIPLINE (MODULE)

### Section 1. *Practical activity of the district therapist of polyclinic*

#### **Theme 1. Organization of work of the district therapist. The order of discharge by the district therapist of sick leaves and prescriptions**

The content of the topic: Regulatory indicators according to legislative and guidance documents, practical work with documentation. The procedure for issuing prescriptions and sick leaves. Organization of hospital at home. Primary and secondary disease prevention. Rehabilitation of patients on an outpatient basis. Evaluation of the effectiveness of medical examination.


#### **Theme 2. Clinical and expert work and principles of medical and social expertise in outpatient practice**

The content of the topic: Medical and social expertise. Private question medical and social expertise. Causes of temporary and permanent disability, its duration, criteria of recovery, registration of all documentation on medical and social expertise. Assessment of the quality of work of the district doctor medical and social expertise.

### Section 2. *Features of work of the district therapist with patients of different groups of the population*

#### **Theme 3. The role and tasks of the therapist to monitor the teenager.**

The content of the topic: Physiological features of adolescence, norm and pathology. Physiological variants of changes on the part of organs and systems of the body. Diseases peculiar to adolescence, their prevention. Features of the course of somatic diseases. Basic principles of primary and secondary disease prevention.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

#### **Theme 4. Features of the course and treatment of somatic diseases in the elderly**

The content of the topic: Disease, the most typical of these ages. Age gradation. Features of the course of somatic diseases, treatment, differences from therapy at a younger age. Social aspects of disability in these age groups. The issues of ethics and deontology.

#### **Theme 5. Features of somatic pathology during pregnancy**

The content of the topic: The importance of somatic health of women in the formation of a healthy generation. Tactics of examination of pregnant women, during pregnancy: during pregnancy: rheumatism, acquired heart disease, hypertension, kidney disease, diabetes, anemia, etc. Principles of their treatment. Medical indications for termination of pregnancy. Indications for use of drugs. Features of dispensary supervision of the therapist for pregnant women suffering from somatic diseases.

### **Section 3. Diseases of the cardiovascular system**

#### **Theme 6. Hypertension and symptomatic hypertension**

The content of the topic: Risk factor. Early symptoms of hypertension. Clinical characteristics and justification in the clinic stages of hypertension. Complications of hypertension. Hypertensive crisis. The main symptoms, allowing to suspect vasorenal hypertension, neurogenic and endocrine Genesis.

The amount of examination in the clinic to identify these diseases. Indications for hospitalization. Principles of selection of drug therapy. Secondary prevention. Prophylactic medical examination. Temporary disability.

#### **Theme 7. Atrial fibrillation**

The content of the topic: Criteria for diagnosis. Differential diagnosis. Treatment. Choice of treatment tactics. Indications for hospitalization. Examination of temporary disability. Labor forecast.

#### **Theme 8. Pain in the heart**

The content of the topic: Differential diagnosis of chest pain of coronarogenic and non-coronarogenic Genesis. Distinctive signs of coronary pain - angina. Confirmation of the diagnosis of coronary heart disease in a polyclinic. Indications for referral to coronary angiography. Causes of chest pain of non-coronary Genesis. Extracardial causes of chest pain.

CHD variants according to who classification. Unstable forms of ischemic heart disease. Indications for hospitalization. Treatment in a polyclinic.

Temporary disability. Criteria for rehabilitation. Indications for referral to medical and social examination. Prevention. Prophylactic medical examination.

#### **Theme 9. Diseases of the myocardium**

The content of the topic: The main clinical symptoms of myocarditis, rheumocarditis, non-rheumatic Genesis. Indications for hospitalization. Examination of working capacity, criteria of temporary disability. Prophylactic medical examination. Secondary prevention.


Criteria for diagnosis of hypertrophic and dilated cardiomyopathy. Practice of the polyclinic therapist in establishing the diagnosis. Indications for hospitalization and medical and social examination.

**Theme 10. Primary and secondary prevention of cardiovascular diseases.** Definition of primary and secondary prevention. Risk factors for major cardiovascular diseases. Groups of persons subject to medical examination and the procedure for its conduct. The procedure of conducting the primary and secondary prevention of cardiovascular disease. Determining the effectiveness of primary and secondary prevention of cardiovascular diseases.

### **Section 4. Kidney disease**

#### **Theme 11. Urinary syndrome**

The content of the topic. Definition of «urinary syndrome». Types of disorders of urinary

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

sediment. The importance of laboratory and instrumental research methods for the differential diagnosis of diseases manifested by proteinuria, hematuria, leukocyturia and bacteriuria.

**Theme 12. Acute and chronic glomerulonephritis**

The content of the topic: Clinical forms and variants of acute and chronic glomerulonephritis. Definition of clinical symptoms, diagnosis, treatment. Criteria for temporary disability. Prevention primary and secondary. Prophylactic medical examination.

**Theme 13. Nephrotic syndrome**

The content of the topic. Definition. Etiology. Modern concepts of pathogenesis in the light of ideas about the ultrastructure of the nephron. Diseases leading to the development of nephrotic syndrome. Pathogenesis of the main clinical manifestations of the disease. Clinical picture. Laboratory and instrumental diagnostics, differential diagnostics in polyclinic conditions. Tactics of management of the patient in the conditions of polyclinic. Criteria for temporary disability.

**Theme 14. Chronic kidney disease**

The content of the topic. Basic definition. Diagnostic criteria and classification of chronic kidney disease. Methods for assessing renal function. Features of management of patients with CKD and cardiovascular pathology. Management of patients with chronic kidney disease.

**Theme 15. Chronic pyelonephritis**

The content of the topic. Determination of clinical symptoms of chronic pyelonephritis. Signs of renal dysfunction and their diagnosis. Treatment of chronic renal failure. Criteria for temporary disability. Prevention primary and secondary. Prophylactic medical examination.

**Section 5. Diseases of the joints**

**Theme 16. Articular syndrome**

The content of the topic. Articular syndrome as a manifestation of diffuse connective tissue damage and as an independent joint disease. Inflammatory and non-inflammatory diseases. Arthritis acute, subacute, chronic. Clinical and laboratory data confirming the diagnosis of arthritis.

**Theme 17. Rheumatoid arthritis**

The content of the topic. The most typical clinical manifestations of rheumatoid arthritis, the degree of activity, functional insufficiency of rheumatoid arthritis. Diagnostic criterion. Treatment. Prevention. Prophylactic medical examination. Rehabilitation.

**Theme 18. Osteoarthritis.**

The content of the topic. Factors predisposing to the development of deforming primary and secondary osteoarthritis. Diagnostic criterion. Clinical implications. Treatment. Prevention. Prophylactic medical examination. Rehabilitation.

**Theme 19. Gout**

The content of the topic. The most typical clinical manifestations. Diagnostic criteria and predisposing factors. Joint damage in gout. Survey. Treatment. Prevention.


**Section 6. Diseases of the respiratory system**

**Theme 20. Pneumonias**

The content of the topic. Early symptoms of pneumonia. Examination in hospital, polyclinic and at home. Indications for hospitalization. Treatment in a polyclinic, the importance of the organization of the hospital at home. Principle of selection of antibacterial therapy, evaluation of its effectiveness. Temporary disability, it is the optimum time. Criteria for recovery and rehabilitation. Prophylactic medical examination. Prevention.

**Theme 21. Flu. Acute respiratory viral infection. Anginas**

The content of the topic. Distinctive features of clinical manifestations of influenza and other respiratory infections (rhinovirus, adenovirus, respiratory syncytial infection, parainfluenza). The possibility of their differentiation in the clinic. Treatment. Indications for hospitalization. Examination

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

of temporary disability and its duration. Recovery criteria. Primary prevention of influenza and acute respiratory viral infection. Prevention of chronic nonspecific pulmonary diseases. Verification of diagnosis in a polyclinic. Criteria for temporary disability. Prophylactic medical examination. Secondary prevention. Rehabilitation.

#### **Theme 22. COPD**

The content of the topic. Definition, classification, nosological forms. The criteria for diagnosis. Primary and secondary prevention in the polyclinic. Treatment of respiratory failure. The indications for examination of the MSEC.

#### **Theme 23. Bronchoobstructive syndrome**

The content of the topic. Clinical signs of bronchial obstruction syndrome. Mechanisms of its occurrence, the value of inflammation, bronchospasm, diffuse pneumosclerosis, limited obturation. Diseases, accompanied by bronchial obstructive syndrome. Differential diagnosis of asthma, lung cancer and COPD.

#### **Theme 24. Bronchial asthma**

The content of the topic. Examination in a polyclinic. Treatment of bronchial asthma in the inter-costal period, relief of the attack in the polyclinic. Indications for hospitalization. Temporary disability. Employment opportunity. Tactics of the district therapist in case of suspicion of professional etiology of the disease. Prophylactic medical examination. Secondary prevention. Spa treatment. Rehabilitation of patients with bronchial asthma.

### **Section 7. Diseases of the gastrointestinal tract**

#### **Theme 25. Abdominal pain syndrome**

The content of the topic. Causes of abdominal pain: inflammatory, functional, obturation, hemodynamic disorders, their distinctive features. Diseases associated with Helicobacter infection. The concept of violations of secretory and motor functions of the stomach, intestines and pancreas in the occurrence of pain abdominal syndrome. Differential diagnosis of major diseases accompanied by abdominal pain.

#### **Theme 26. Diagnosis and treatment of diseases manifested by diarrhea in the clinic.**

##### **.Functional bowel disease.**

The content of the topic. Definition of diarrhea syndrome. Types of diarrhea. Deeth.diagnosis of acute and chronic diarrhea. Deeth.diagnosis of organic and functional diarrhea. Diagnosis and treatment of patients with ulcerative colitis, pancreatic diseases, lactase deficiency, biliary tract diseases, dysbacteriosis in the polyclinic.


The content of the topic. Determination of irritable bowel syndrome. Etiological factors that cause the development of irritable bowel syndrome. The importance of clinical, laboratory and instrumental studies in the differential diagnosis of chronic colitis. Current. Treatment. Therapy of dysbacteriosis. The concept of functional constipation and diarrhea. Spa treatment. Prevention. Ability to work. Prophylactic medical examination.

#### **Theme 27. GERD, chronic gastritis, duodenitis**

The content of the topic. Features of diagnostics, treatment and rehabilitation of patients with GERD in polyclinic. Modern classification and clinic of HCG. Formulation of the diagnosis. Methods of diagnosis of the type of gastritis in a clinic. Differentiated treatment taking into account the type of gastritis. Anti-relapse treatment. Prevention. Examination of temporary disability, its causes and duration. The employment forecast, the indications for the employment. Clinical forms of HD. Clinical and morphological criteria of HD. Indications for hospitalization. Treatment. Mode. Diet depending on the clinical variant. Drug therapy. Physiotherapy. Spa treatment. The period of temporary incapacity. Secondary prevention. Prophylactic medical examination.

#### **Theme 28. Gastric ulcer and duodenal ulcer**

The content of the topic. Practice of the polyclinic therapist in case of complications of peptic ulcer

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

disease. Drug and non-drug therapy. Eradication therapy, secondary prevention. Examination of temporary disability.

**Theme 29. Chronic pancreatitis**

The content of the topic. The main clinical manifestations of chronic pancreatitis in remission and exacerbation. Examination method. Treatment. Labor forecast. Prevention. Prophylactic medical examination.

**Theme 30. Chronic cholecystitis. Dyskinesia of bile ducts**

The content of the topic. Clinical picture of Hyper- and hypokinetic biliary dyskinesia, the value of laboratory and instrumental data in the diagnosis of different forms. Differentiated treatment of dyskinesia. Clinical symptoms of chronic cholecystitis. Examination method. Dietotherapy. Medicamental and non-medicamental methods of treatment.

**Theme 31. Liver disease**

The content of the topic. Diagnosis criteria: steatosis, steatohepatitis, chronic viral hepatitis, auto-immune biliary liver disease, liver cirrhosis. Symptoms of portal hypertension. Basic principles of treatment and rehabilitation of patients. Questions expertise.

**Section 8. Blood disease.**

**Theme 32. Anemic syndrome in clinical practice of a General practitioner clinic**

The content of the topic. Clinical characteristics of anemic syndrome. Classification. Laboratory characteristics of anemic syndrome. Criteria for diagnosis of iron deficiency anemia. Clinical manifestations of disorders of the digestive system. Criteria for the diagnosis of iron deficiency anemia. Treatment. Control over the effectiveness of treatment with iron preparations, its duration. Causes of vitamin B12 deficiency. Temporary disability, duration criteria. Primary and secondary prevention. Prophylactic medical examination.

**Theme 33. Lingering low-grade fever**

The content of the topic. The causes of a possible prolonged increase in body temperature are focal and generalized infections, connective tissue diseases, paraneoplastic processes, systemic blood diseases, allergic reactions. Tactics of the therapist in their identification. Research methods that allow to establish the nature of subfebrility, including functional nature, and exclude aggravation and simulation.

**Section 9. Diseases of the cardiovascular system**

**Theme 34. Exertional angina. Diagnosis and treatment at the outpatient stage.**

The content of the topic. Features of pain of coronarogenic Genesis. Drug and stress tests. Value of coronary angiography, KG ECHO, atrial stimulation test. Features of treatment in outpatient conditions.


**Theme 35. Management of pregnant women with cardiovascular diseases (Hypertension. Acquired heart defects). Management of patients in the polyclinic.**

The content of the topic. Hypertension in pregnant women. Classification, diagnosis, treatment. Differential diagnosis of acquired heart defects characterized by systolic and diastolic noise. The value of instrumental research methods in the differential diagnosis of heart disease. Introduction to the polyclinic. Terms and indications for hospitalization.

**Section 10. Kidney disease**

**Theme 36. The defeat of the internal organs in diabetes. Diabetic nephropathy. Management of patients on an outpatient basis.**

The content of the topic. Clinic, diagnosis, treatment of diabetes. Diabetic nephropathy. Features of urinary syndrome, monitoring of diabetic nephropathy.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

## 6. TOPICS OF PRACTICAL AND SEMINAR CLASSES

### Section 1. Practical activity of the district therapist of polyclinic

**Theme 1-2. Organization of work of the district therapist. The order of discharge by the district therapist of sick leaves and prescriptions. Clinical and expert work and principles of medical and social expertise in outpatient practice (seminar).**

#### Questions to the topic:

- Organization of work of the district doctor-therapist.
- Features of examination and treatment of patients in outpatient settings.
- Organization and evaluation of clinical examination of patients.
- The concept of primary and secondary prevention of diseases.
- ITU: organization of work, procedure for filling in documentation, criteria for temporary and permanent disability of patients, disability groups. Rules of prescribing by the district doctor

**Section 2. Features of work of the district therapist with patients of different groups of the population. The theme of 3-5.(practical class)**

#### Questions to the topic:

- Definition and goals of gerontology.
- Age gradation. Features of the course of somatic diseases, treatment, differences from therapy at a younger age.
- Social aspects of disability in these age groups.
- Tactics of examination of pregnant women, during pregnancy: rheumatism, acquired heart disease, hypertension, kidney disease, diabetes, anemia, etc. Principles of their treatment.
- Medical indications for termination of pregnancy.
- Features of dispensary supervision of the therapist for pregnant women suffering from somatic diseases.
- Features of cardiovascular pathology in adolescence

### Section 3. Diseases of the cardiovascular system

**Theme 6. Hypertension and symptomatic hypertension (practical lesson)**

#### Questions to the topic:

- Criteria for the diagnosis of hypertension and symptomatic hypertension.
- Basic principles of treatment of patients with arterial hypertension in outpatient settings.
- Features of therapy of symptomatic arterial hypertension
- Examination of temporary disability.
- Organization of dispensary supervision.

**Theme 7. Atrial fibrillation (practical lesson)**


#### Questions to the topic:

- Definition
- Classification
- Diagnostic algorithm
- Medical tactics
- Organization of dispensary supervision.

**Theme 8. Pain in the heart (seminar)**

#### Questions to the topic:

- Differential diagnostics of pain in coronary artery disease and cardiology.
- Criteria for the diagnosis of angina and myocardial infarction.
- Tactics of the therapist in case of suspicion of ACS.
- Criteria of temporary disability in CHD. Indications for the establishment of disability groups. Medical examination, rehabilitation of patient.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

### **Theme 9. Diseases of the myocardium (practical session)**

#### **Questions to the topic:**

- Definition of cardiomyopathy
- Modern classification
- Features of diagnostics and treatment in the conditions of out-patient polyclinic institution
- Dispensary observation

### **Theme 10. Primary and secondary prevention of cardiovascular diseases (seminar)**

#### **Questions to the topic:**

- Definition of primary and secondary prevention.
- Risk factors for major cardiovascular diseases.
- Groups of persons subject to medical examination and the order of its carrying out.
- Procedure for primary and secondary prevention of cardiovascular diseases.
- Determination of the effectiveness of primary and secondary prevention of cardiovascular diseases.

## **Section 4. Kidney disease**

### **Theme 11. Urinary syndrome (seminar)**

#### **Questions to the topic:**

- Definition of "urinary syndrome".
- Types of disorders of urinary sediment.
- Possibilities and importance of laboratory and instrumental methods of research carried out in the clinic.

### **Theme 12. Acute and chronic glomerulonephritis (practical lesson)**

#### **Questions to the topic:**

- Clinical forms and variants of the course.
- Clinical and laboratory criteria.
- Treatment after discharge from the hospital.
- Terms of temporary disability, criteria for its duration in acute glomerulonephritis.
- Early clinical and laboratory symptoms of chronic kidney disease
- Causes of persistent disability. Prevention of exacerbations. Prophylactic medical examination.

### **Theme 13. Nephrotic syndrome (practical lesson)**


#### **Questions to the topic:**

- Definition. Etiopathogenesis of nephrotic syndrome.
- Nephrotic syndrome clinic.
- Diagnosis of nephrotic syndrome in the clinic.
- Differential diagnosis of nephrotic syndrome.
- Tactics of the polyclinic doctor for the management of patients with nephrotic syndrome.
- Treatment of nephrotic syndrome.
- Terms of temporary disability, criteria of its duration. Prevention.

### **Theme 14. Chronic kidney disease (practical lesson)**

#### **Questions to the topic:**

- Definition of the concept of chronic kidney disease.
- Prevalence
- Etiology.
- Classification.
- Stages of flow.
- Treatment (regime, diet, water-salt regime, the possibility of nephroprotective therapy).
- Referral to dialysis Commission
- Types of replacement therapy
- Forecast. Clinical account.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

### **Theme 15. *Chronic pyelonephritis (practical lesson)***

#### **Questions to the topic:**

- Clinical symptoms of chronic pyelonephritis.
- The importance of clinical, laboratory and instrumental studies, allowing outpatient diagnosis of the disease.
- Treatment during exacerbation and remission.
- Drug and non-drug therapy.
- Spa treatment.
- Temporary disability, duration criteria
- Primary and secondary prevention. Prophylactic medical examination

### **Section 5. Diseases of the joints**

#### **Theme 16. *Joint syndrome (seminar)***

#### **Questions to the topic:**

- Articular syndrome as a manifestation of diffuse connective tissue damage and as an independent joint disease
- Inflammatory and non-inflammatory diseases.
- Arthritis acute, subacute and chronic. Clinical and laboratory data confirming the diagnosis of arthritis.
  - Clinical, laboratory and radiological data in inflammatory degenerative diseases of the joints, in violation of purine metabolism.

#### **Theme 17. *Rheumatoid arthritis (practical training)***

#### **Questions to the topic:**

- The most typical clinical signs of rheumatoid arthritis (RA).
- Current. Diagnostic criteria of rheumatoid arthritis, degree of RA activity, degree of functional insufficiency of joints.
- Treatment. Indication for hospitalization.
- Spa treatment.
- Ability to work. Employment opportunity. Permanent disability.
- Secondary prevention. Medical examination, rehabilitation.

#### **Theme 18. *Osteoarthritis (practical lesson)***

#### **Questions to the topic:**

- Factors predisposing to the development of deforming primary and secondary osteoarthritis.
- Diagnostic criterion. Current.
- Treatment. Ability to work,
- Secondary prevention.
- Medical examination, rehabilitation.

#### **Theme 19. *Gout (practical lesson)***

#### **Questions to the topic:**

- Diagnostic criteria and predisposing factors.
- Joint damage in gout.
- Survey.
- Treatment.
- Prevention.


### **Section 6. Diseases of the respiratory system**

#### **Theme 20. *Pneumonia (practical lesson)***

#### **Questions to the topic:**

- Early symptoms of pneumonia.



Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

- Clinical, laboratory and radiological methods of diagnosis. Examination in hospital, polyclinic and at home.
- Indications for hospitalization.
- Treatment in a polyclinic, the importance of the organization of the hospital at home.
- The principle of choice of antibacterial therapy, evaluation of its effectiveness.
- Anti-inflammatory therapy.
- Non-drug treatments.
- Temporary disability, its optimal timing, factors affecting its duration.
- Criteria for recovery and rehabilitation. Employment opportunity.
- Prophylactic medical examination.
- Prevention.

**Theme 21. Influenza. Acute respiratory viral infections. Angine (seminar)**

**Questions to the topic:**

- Features of diagnosis of influenza, SARS, on an outpatient basis and at home.
- Tactics of the doctor in the diagnosis of angina.
- Basic principles of treatment of patients with influenza, SARS, angina.

**Theme 22. COPD (seminar)**

**Questions to the topic:**

Definition, classification, nosological forms. The criteria for diagnosis. Primary and secondary prevention in the polyclinic. Treatment of respiratory failure. The indications for examination of the MSE.

**Theme 23. Bronchoobstructive syndrome (seminar)**

**Questions to the topic:**

- Determination of the essence and clinical signs of bronchoobstructive syndrome. Mechanisms of its occurrence, the significance of inflammation, bronchospasm, diffuse pneumosclerosis, limited (local) obturation.
- Possibilities of clarification in the conditions of polyclinic of these reasons, methods of examination.
- Diseases, accompanied by bronchial obstructive syndrome.
- Differential diagnosis of obstructive bronchitis, asthma, lung cancer.

**Theme 24. Bronchial asthma (practical lesson)**

**Questions to the topic:**

- Examination in a polyclinic to verify the diagnosis and form of the disease.
- Treatment of bronchial asthma in the intercostal period, relief of the attack in the clinic.
- Indications for hospitalization.
- Temporary disability, its causes in different forms. Criteria for the duration of temporary disability and recovery. Employment opportunity.
- Tactics of district physician in case of suspected occupational etiology of the disease.
- Prophylactic medical examination. Secondary prevention.
- Spa treatment.
- Rehabilitation of patients with bronchial asthma.


**Section 7. Diseases of the gastrointestinal tract**

**Theme 25. Abdominal pain syndrome (seminar)**

**Questions to the topic:**

The criteria of diagnosis:

- «Acute abdomen.»
- Gastric ulcer and 12 duodenal ulcer.
- Irritable bowel syndrome.
- Chronic gastroduodenitis.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

- False acute abdomen.
- Basic principles of treatment and rehabilitation of patients

**Theme 26. *Diagnosis and treatment of diseases manifested by diarrhea in the polyclinic.***

***Functional bowel diseases (seminar)***

**Questions to the topic:**

- Basic criteria, principles of treatment and rehabilitation of patients with chronic diarrhea syndrome (ulcerative colitis, IBS, dysbiosis, fermentopathy, short bowel syndrome, etc.)
- Questions of medical examination.
- Medical and social expertise
- Determination of irritable bowel syndrome.
- Etiological factors that cause the development of irritable bowel syndrome.
- The importance of clinical, laboratory and instrumental studies in the differential diagnosis of chronic colitis. Current.
- Treatment. Therapy of dysbacteriosis.
- Spa treatment.
- Prevention. Ability to work.
- Prophylactic medical examination.

**Theme 27. *GERD. Chronic gastritis, duodenitis (practical lesson)***

**Questions to the topic:**

- Gastroesophageal reflux disease. Basic criteria of diagnosis.
- Principle of treatment.
- Criteria for diagnosis of Chronic gastritis. Diagnosis formulation in accordance with modern classification.
- Methods of recognizing the type of gastritis in the clinic.
- Differential treatment based on the type of gastritis. Diet, medication, non-medical-menthol therapy in exacerbation. Anti-relapse treatment.
- Prevention
- Examination of temporary disability, its causes and duration. The employment forecast, the indications for the employment.
- Clinical forms of HD. Clinical and morphological criteria of HD.
- Indications for hospitalization.
- Treatment. Mode. Diet depending on the clinical variant. Drug therapy. Physiotherapy.
- Spa treatment.
- The period of temporary incapacity.
- Secondary prevention.
- Prophylactic medical examination.

**Theme 28. *Gastric ulcer and 12 duodenal ulcer (practical lesson)***


**Questions to the topic:**

- Main clinical symptoms.
- Treatment in the period of exacerbation in the conditions of the day hospital of the polyclinic.
- Drug and non-drug therapy.
- Indications for hospitalization. Tactics of the polyclinic therapist in case of complications (bleeding, pyloric stenosis, penetration).
- Eradication therapy and secondary prevention.
- Spa treatment.
- Examination of temporary disability, its causes and duration.
- Criteria of restoration of working capacity. Indications for employment.

**Theme 29. *Chronic pancreatitis (practical lesson)***

**Questions to the topic:**

- The main clinical manifestations in the period of remission and exacerbation.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

- Examination method.
- Treatment during remission and exacerbation-diet, drug and non-drug therapy.
- Examination of temporary disability, its duration. The employment forecast, the indications for the employment.
- Prevention.
- Spa treatment

**Theme 30. Chronic cholecystitis. Dyskinesia of the bile ducts (practical session)**

**Questions to the topic:**

- Clinical symptoms of chronic cholecystitis mild, moderate and severe.
- Examination methods used to confirm the disease.
- Dietotherapy. Medicamental and non-medicamental methods of treatment.
- Spa treatment.
- Examination of working capacity.
- Prevention.
- Prophylactic medical examination.
- Clinical picture of Hyper- and hypokinetic biliary dyskinesia, the value of laboratory and instrumental data in the diagnosis of different forms.
- Differentiated treatment of dyskinesia.
- Ability to work. Prevention.

**Theme 31. Liver disease (practical lesson)**

**Questions to the topic:**

- Diagnosis criteria: steatosis, steatohepatitis, chronic viral hepatitis, autoimmune biliary liver disease, liver cirrhosis.
- Symptoms of portal hypertension.
- Basic principles of treatment and rehabilitation of patients.
- Examination questions.

**Section 8. Blood disease**

**The theme 32. Anemic syndrome in clinical practice is the doctor-the therapist (practical session)**

**Questions to the topic:**

The criteria of diagnosis:

- Deficiency anemia.
- B12-folic deficiency anemia.
- Tactics of management of patients with anemic syndrome.
- Basic principles of treatment and rehabilitation of patients.

**Theme 33. Lingering low-grade fever (seminar)**

**Questions to the topic:**


- Differential diagnosis of fevers of different Genesis.
- Etiologic classification of protracted low-grade fever.
- Criteria for the diagnosis of infectious and non-infectious Genesis of prolonged subfebrility.
- Algorithm of diagnosis of fevers and prolonged low-grade fever.

**Section 9 Diseases of the cardiovascular system**

**Theme 34. CHD. Exertional angina. Diagnosis and treatment at the outpatient stage (practical lesson).**

**Questions to the topic:**

- Diagnostic criteria for pain in coronary (angina, myocardial infarction) lesions
- Program of treatment of angina pectoris (non-pharmacological and pharmacological therapy). The use of the main classes of antianginal drugs.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

- Tactics of therapy for angina of different types.
- Management of patients with angina in the clinic.

**Theme 35. Management of pregnant women with cardiovascular diseases (Hypertension. Acquired heart defects). Management of patients in the conditions of polyclinic (practical lesson).**

**Questions to the topic:**

- Hypertension in pregnant women. Classification, diagnosis, treatment.
- Differential diagnosis of acquired heart defects characterized by systolic and diastolic noise.
- The value of instrumental research methods in the differential diagnosis of heart disease.
- Management of patients in the polyclinic. Terms and indications for hospitalization.

**Section 10. Kidney disease**

**Theme 36. The defeat of the internal organs in diabetes. Diabetic nephropathy. Management of patients on an outpatient basis (practical lesson)**

**Questions to the topic:**


- Clinic, diagnosis, treatment of diabetes.
- Diabetic nephropathy. Features of urinary syndrome, monitoring of diabetic nephropathy.
- Treatment, medical examination. ITU.

**7. LABORATORY WORK, WORKSHOP**

This type of work is not provided by the up.

**8. TOPICS OF ABSTRACTS**

1. The main types of documentation in the clinic. Rules of their filling.
2. Rules for the issuance of sick leave and INCLUDES.
3. Definitions of indications for ITU.
4. Rules for filling out the outpatient card.
5. Rules of prescription of drug therapy for peptic ulcer disease.
6. Principles of prescription of antihypertensive drugs.
7. Principles of medical treatment of GERD.
8. Principles of step therapy of bronchial asthma.
9. Principles of bronchodilator therapy.
10. Diagnosis, treatment, examination of disability, ITU, medical examination, prevention of hypertension.
11. Diagnosis, treatment, examination of disability, ITU, medical examination, prevention of functional disorders of the gastrointestinal tract.
12. Diagnosis, treatment, examination of disability, ITU, medical examination, prevention of COPD.
13. Diagnosis of hypochromic anemia.
14. Diagnosis, treatment, examination of disability, ITU, medical examination, prevention of chronic pyelonephritis.
15. Community-acquired pneumonia. Algorithms of drug therapy, lifestyle recommendations. Diagnostics, examination of working capacity, medical examination, prevention.
16. Atrial fibrillation. Algorithms of drug therapy, lifestyle recommendations.
17. Bronchial asthma. Algorithms of drug therapy, lifestyle recommendations.
18. Secondary nephropathies. Algorithms of drug therapy, lifestyle recommendations.
19. Primary and secondary prevention of cardiovascular diseases. Risk factors and possibilities of correction at the present stage.
20. Tubulointerstitial nephritis. Modern tactics of conducting.
21. COPD. Modern tactics of management in an outpatient institution.


Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

22. Patients after ACS. Modern tactics of conducting.  
23. Articular syndrome. Modern tactics of conducting.


Requirements for the content of the abstract: the abstract should disclose the purpose and objectives of the study. Abstract includes: title page, content, introduction, main part, conclusion, references. The maximum volume of 20 pages, margins, right-10 mm, left 30 mm, upper and lower 20mm, text font Times New Roman, font size 12, line spacing 1.5.

## 9. LIST OF QUESTIONS FOR THE EXAM

1. The organization of work of medical and social examination, the procedure of registration of documentation.
2. Examination of persistent disability. Rules for establishing disability.
3. Procedure for selection and referral of patients for sanatorium treatment.
4. Organization of work of the district therapist. The main tasks and responsibilities of the district therapist.
5. Examination of temporary disability. The procedure for issuing sick leaves, prescriptions.
6. Organization of work and tasks of the clinical expert Commission.
7. Organization and evaluation of the effectiveness of medical examination. Dispensary groups.
8. Organization of outpatient care to the population. Structure and principle of organization of work of polyclinic.
9. The concept, goals and objectives of primary prevention of diseases of internal organs
10. Federal and regional beneficiaries. A set of social services. Diseases in which there is preferential provision of medicines.
11. The concept, goals and objectives of secondary prevention of diseases of internal organs.
12. Rehabilitation of the sick and the disabled therapeutic profile. The main types of rehabilitation, opportunities and prospects.
13. Iron deficiency anemia in outpatient practice. Diagnosis, treatment, rehabilitation, medical examination, ITU.
14. Principles of antibacterial therapy in community-acquired pneumonia.
15. The main clinical and biochemical syndromes in chronic hepatitis and cirrhosis of the liver.
16. B12-folic deficiency anemia in outpatient practice. Diagnosis, treatment, rehabilitation, medical examination, ITU.
17. Criteria for diagnosis of acute coronary syndrome. Indications for hospitalization. Tactics of the polyclinic doctor in the diagnosis and treatment of ACS.
18. Tactics of management of patients with pyelonephritis in the clinic. Clinical picture, diagnostic algorithm, outpatient and sanatorium treatment, medical examination, rehabilitation, ITU. Prevention.
19. The main groups of drugs used to treat chronic forms of coronary heart disease.
20. Definition of the term "Acute abdomen". Group of diseases associated with the clinic of acute abdomen.
21. Anemic syndrome in clinical practice of a polyclinic therapist. Recommendations for primary prevention of patients with hematological profile.
22. Tactics of management of patients with acute glomerulonephritis. Clinical picture, diagnostic algorithm, outpatient treatment, medical examination, rehabilitation, ITU. Primary prevention.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		


23. Diagnosis and treatment of inflammatory bowel diseases (ulcerative colitis and Crohn's disease) in the polyclinic. Tactics of the doctor in the development of complications at the pre-hospital stage.
24. Tactics of management of patients with chronic glomerulonephritis in the clinic. Classification, clinical picture, diagnostic algorithm, outpatient and Spa treatment, medical examination, rehabilitation, ITU. Prevention.
25. Criteria for diagnosis of the main forms of symptomatic arterial hypertension.
26. Functional disorders of the gallbladder. Clinical picture, the value of laboratory and instrumental data in the diagnosis of different forms. Differentiated treatment in a polyclinic.
27. Basic principles of treatment of patients with bronchial asthma. Groups of drugs. Indications for hospitalization of patients.
28. Tactics of management of patients with gastric ulcer and duodenal ulcer in polyclinic. The algorithm of diagnostics, treatment. Spa treatment. Examination of working capacity. Prophylactic medical examination. Primary and secondary prevention.
29. Functional disorders of Oddi's sphincter. Clinical picture, the value of laboratory and instrumental data in the diagnosis of different forms. Differentiated treatment in a polyclinic.
30. Secondary nephropathies-an algorithm for differential diagnosis in outpatient settings. Nephropathy in systemic lupus erythematosus, rheumatoid arthritis, deforming spondyloarthritis, systemic scleroderma.
31. Chronic pancreatitis. Classification, clinical picture. Algorithm of diagnostics and treatment in polyclinic. Spa treatment. Examination of working capacity. Prevention. Prophylactic medical examination.
32. Definition of "urinary syndrome". Types of disorders of urinary sediment. The importance of laboratory and instrumental research methods for the differential diagnosis of diseases manifested by proteinuria and hematuria.
33. Hypertensive disease. Risk factor. Classification. Basic principles of treatment. Groups of drugs.
34. Definition of "urinary syndrome". Types of disorders of urinary sediment. The importance of laboratory and instrumental research methods for the differential diagnosis of diseases manifested by leukocyturia and bacteriuria.
35. Hypertensive syndrome. Clinical and instrumental methods of diagnosis of hypertension. Plan examination of the patient in the clinic.
36. Chronic kidney disease. Definition, classification, diagnosis criteria. The main indications for ambulatory consultation of the nephrologist.
37. Activities aimed at early detection, treatment and prevention of respiratory infections.
38. Secondary nephropathies-an algorithm for differential diagnosis in outpatient settings. Criteria for the diagnosis of diabetic nephropathy.
39. Tactics of management of patients with diarrhea in the clinic. Algorithm of diagnostics, principles of treatment and rehabilitation of patients with chronic diarrhea syndrome in diseases of the pancreas, biliary tract, dysbiosis.
40. Roman criteria in the definition of functional diseases of the gastrointestinal tract. Management of patients with irritable bowel syndrome in a polyclinic. Examination of working capacity. Prophylactic medical examination.
41. Cardiovascular complications, their diagnosis in hypertension.
42. Chronic kidney disease. Screening. Primary and secondary prevention. Management of patients with CKD in outpatient settings.
43. Characteristics of articular syndrome in various diseases of the joints(rheumatism, rheumatoid arthritis, osteoarthritis, gout, spondyloarthritis).
44. The main groups of drugs used to treat chronic heart failure. Indications for use.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

45. Clinical and laboratory syndromes of liver diseases. Criteria for the diagnosis of nonalcoholic fatty liver disease. Management of patients in the polyclinic: treatment, examination of working capacity, medical examination, prevention.
46. Criteria for the diagnosis of various forms of angina. Differential diagnosis. Tactics of the doctor - therapist clinic.
47. Cirrhosis. Diagnostic algorithm. Symptoms of portal hypertension. Basic principles of treatment and rehabilitation of patients. Tactics of the doctor in the development of complications at the prehospital stage. Examination of working capacity, medical examination, prevention.
48. Chronic kidney disease. Definition, risk factors and progression. Diagnostic algorithm. The main indications for hospitalization in a specialized (nephrological) Department.
49. Definition of the syndrome of diarrhea, types of diarrhea. Differential diagnosis of organic and functional diarrhea. Tactics of management of patients with diarrhea in the clinic.
50. The course of liver diseases during pregnancy and management of patients in the polyclinic.
51. Early and differential diagnosis of influenza, acute respiratory infections (rhinovirus, adenovirus, respiratory intitially infection, parainfluenza) in a clinic. Treatment. Indications for hospitalization. Examination of temporary disability.
52. Cholelithiasis: indications for hospitalization. Postcholecystectomy syndrome. Management of patients at the outpatient stage after cholecystectomy. Examination of working capacity, medical examination.
53. Algorithm of management of patients with angina in the clinic. Diagnosis criteria, treatment. Complications, indications for hospitalization. Examination of temporary disability. Prophylactic medical examination.
54. Tactics of management by the district therapist of patients with rheumatism and acquired heart defects during pregnancy.
55. The main distinguishing features of coronary pain are angina. The possibility of examination in the clinic to confirm the diagnosis of coronary heart disease.
56. Treatment of asthma. Arresting an attack in a polyclinic. Indications for hospitalization.
57. Tactics of management of patients with gastric ulcer and duodenal ulcer in polyclinic. Indications for hospitalization. Tactics of the polyclinic therapist in case of complications (bleeding, pyloric stenosis, penetration). Prophylactic medical examination. Secondary prevention.
58. Heart disease, accompanied by pain, their differential diagnostic features.
59. Chronic viral hepatitis. Clinical and laboratory diagnostics. Principles of therapy. Treatment in the period of exacerbation in the conditions of the day hospital of the polyclinic. Examination of working capacity, medical examination, prevention.
60. Algorithm of diagnosis of acute bronchitis. Management of the patient in a polyclinic. Examination of working capacity.

#### **LIST OF QUESTIONS TO OFFSET**

1. The order of prescriptions. Identify a group of patients with diseases of the respiratory system for referral to rehabilitation.
2. Order of discharge of sick leaves
3. Determine contraindications for referral to rehabilitation in patients with nephrological pathology.
4. Determine the group for dispensary observation of patients with articular syndrome
5. Rules of discharge of sick leave
6. Principles of drug therapy of arterial hypertension.
7. Principles of drug therapy of chronic pyelonephritis.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

8. Principles of drug therapy of rheumatoid arthritis in the polyclinic.
9. Principles of drug therapy of chronic glomerulonephritis.
10. Principles of treatment of gout.
11. Features of examination and treatment of patients in outpatient settings.
12. Organization and evaluation of clinical examination of patients.
13. The concept of primary and secondary disease prevention.
14. ITU: organization of work, procedure for filling in documentation, criteria for temporary and permanent disability of patients.
15. Disability group.
16. Definition and goals of gerontology.
17. Tactics of examination of pregnant women, during pregnancy: acquired heart disease, hypertension, kidney disease, diabetes, anemia, etc. Principles of their treatment.
18. Medical indications for termination of pregnancy.
19. Features of dispensary supervision of the therapist for pregnant women suffering from somatic diseases.
20. Features of cardiovascular pathology in adolescence.
21. Clinical and laboratory criteria of nephrotic syndrome.
22. ECG-signs of myocardial infarction.
23. Risk factors and clinical criteria for stress angina.
24. Radiological signs of rheumatoid arthritis, radiological stages.
25. Diagnostic tactics of a patient with urinary syndrome.
26. Criteria for diagnosis "hypertension".
27. Criteria for diagnosis of myocardial infarction.
28. Criteria for diagnosis of osteoarthritis, risk factors for its development
29. Criteria for diagnosis of dilated cardiomyopathy.
30. Criteria for diagnosis of CKD.
31. What are the tactics of managing a patient with hypochromic anemia
32. What are the tactics of managing a patient with liver failure
33. What are the tactics of managing a patient with hemorrhagic syndrome
34. What are the tactics of managing a patient with nephrotic syndrome
35. What are the tactics of managing a patient with hemolytic anemia
36. Indications for referral of a patient with coronary heart disease for treatment in a day hospital.
37. Tactics of a General practitioner with suspected ACS in the clinic
38. Tactics of the polyclinic doctor for the management of patients with nephrotic syndrome.
39. Unstable forms of ischemic heart disease. Indications for hospitalization. Treatment in a polyclinic.
40. Treatment of patients with rheumatoid arthritis in the clinic. Indication for hospitalization
41. The main risk factors for CHD
42. Criteria for the diagnosis of acute glomerulonephritis (OGN)
43. The main clinical manifestations of coronary heart disease
44. Basic principles of treatment of patients with gout. Absolute indications for the appointment of allopurinol.
45. Secondary (symptomatic) arterial hypertension (AH).
46. Atrial fibrillation. Classification. Principles of therapy.
47. Criteria for the diagnosis of gout.
48. Clinical manifestations of CHF
49. Basic principles of treatment of patients with GB
50. The main complications of MI



51. Modern classification of CHF
52. Indications for out-of-office BP measurement. The types of off-site measurements of blood pressure.
53. Principles of optimal therapy of CHF
54. Principles of optimal therapy of coronary heart disease
55. Clinical and radiological signs of articular syndrome
56. The main groups of antihypertensive drugs.
57. Criteria for diagnosis of hypertrophic cardiomyopathy.
58. Indications for the appointment of indirect anticoagulants in patients with diseases of the cardiovascular system.
59. The main groups of drugs used in rheumatology
60. Categories of cardiovascular risks in patients with GB
61. Examination of working capacity of patients with articular syndrome
62. List the main forms of rhythm and conduction disorders.
63. Principles of appointment of antiarrhythmic therapy in the polyclinic.

## 10. INDEPENDENT WORK OF STUDENTS

Form of training full-time.

Title of sections and topics	Type of independent work ( <i>study of educational material, problem solving, essay, report, control work, preparation for the exam, etc.</i> )	Volume in hours	Form of control ( <i>verification of problem solving, abstract, etc.</i> )
<b>IX- X semester</b>			
<b>Section 1. Practical activity of the district therapist of polyclinic</b> Theme 1. Organization of work of the district therapist. The order of discharge by the district therapist of sick leaves and prescriptions Theme 2. Clinical and expert work and principles of medical and social expertise in outpatient practice	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 2. Features of work of the district therapist with patients of different groups of the population</b> Theme 3. The role and tasks of the therapist to monitor the teenager	study of educational material, problem solving, abstract, report, preparation for the test	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 4. Features of the course and treatment of somatic diseases in the elderly	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 5. Features of somatic pa-	study of educational ma-	3	current control at the




thology during pregnancy	terial, problem solving, abstract, report, preparation for the test		practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 3. Diseases of the cardiovascular system</b> Theme 6. Hypertension and symptomatic hypertension	study of educational material, problem solving, abstract, report, preparation for the test	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 7. Atrial fibrillation	study of educational material, problem solving, abstract, report, preparation for the test	4	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 8. Pain in the heart	study of educational material, problem solving, abstract, report, preparation for the test		current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 9. Diseases of the myocardium	study of educational material, problem solving, abstract, report, preparation for the test		current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 10. Primary and secondary prevention of cardiovascular diseases	study of educational material, problem solving, abstract, report, preparation for the test	5	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 4. Kidney disease</b> Theme 11. Urinary syndrome	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 12. Acute and chronic glomerulonephritis	study of educational material, problem solving, abstract, report, preparation for the test	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 13. Nephrotic syndrome	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract




	tion for the test		ing, verification of problem solving, abstract
Theme 14. Chronic kidney disease	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 15. Chronic pyelonephritis	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 5. Diseases of the joints</b> Theme 16. Articular syndrome	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 17. Rheumatoid arthritis	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 18. Osteoarthritis	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 19. Gout	study of educational material, problem solving, abstract, report, preparation for the test	3	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>XI- XII semester</b>			
<b>Section 6. Diseases of the respiratory system</b> Theme 20. Pneumonia. Diagnosis, treatment, clinical examination on an outpatient basis.	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 21. Flu. SARS. Angina. Diagnosis, treatment and prevention	study of educational material, problem solving, abstract, report, preparation	6	current control at the practical lesson-sample survey, test-

	for the exam		ing, verification of problem solving, abstract
Theme 22. COPD. Diagnosis, treatment, clinical examination on an outpatient basis. ITU.	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 23. Bronchoobstructive syndrome, differential diagnosis in outpatient conditions	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 24. Bronchial asthma (BA). . Diagnosis, treatment, clinical examination on an outpatient basis. ITU	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 7. Diseases of the gastrointestinal tract</b> Theme 25. Abdominal pain syndrome- differential diagnosis in outpatient conditions	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 26. Diagnosis and treatment of diseases manifested by diarrhea in the clinic. Functional bowel disease	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 27. GERD. Chronic gastritis, duodenitis	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 28. Peptic ulcer of the stomach and 12 duodenal ulcer - diagnosis, treatment, clinical examination on an outpatient basis	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 29. Chronic pancreatitis	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, ab-

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

			stract
Theme 30. Chronic cholecystitis. Dyskinesia of bile ducts	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 31. Liver disease. . Diagnosis, treatment, clinical examination on an outpatient basis. ITU.	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 8. Blood disease</b> Theme 32. Anemic syndrome in the clinical practice of a physician	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 33. Lingering low-grade fever	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 9. Diseases of the cardiovascular system</b> Theme 34. CHD. Exertional angina. Diagnosis and treatment at the outpatient stage.	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
Theme 35. Management of pregnant women with cardiovascular diseases (Hypertension. Acquired heart defects) in a polyclinic	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract
<b>Section 10. Kidney disease</b> Theme 36. The defeat of the internal organs in diabetes. Diabetic nephropathy. Management of patients on an outpatient basis	study of educational material, problem solving, abstract, report, preparation for the exam	6	current control at the practical lesson-sample survey, testing, verification of problem solving, abstract

## 11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE Поликлиническая терапия

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

## a) List of recommended literature

### Main literature:

1 Diagnostics and treatment of internal diseases in outpatient department = Диагностика и лечение терапевтических заболеваний на амбулаторном этапе : пособие для студентов учреждений высшего образования, обучающихся по специальности 1-79 01 01 «Лечебное дело» : manual for students of higher education institutions studying in the specialty 1-79 01 01 / Е. Н. Кежун, Н. С. Слободская, Д. В. Пицко, К. В. Гончар. - Гродно : ГрГМУ, 2020. - 200 с. - ISBN 9789855953198. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/diagnostics-and-treatment-of-internal-diseases-in-outpatient-department-11950033/2>.  
 2. Kharkevitch, D. A. Pharmacology : Textbook / Translation of Russian textbook, 12th edition, revised and improved. - М. : ГЭОТАР-Медиа, 2019. - 2nd edition. - 680 pages with illustrations. - 680 с. - ISBN 978-5-9704-4985-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970449851.html>

### Additional literature:

1 Subject tests: propedeutics of internal diseases. Part III = Тестовые задания по пропедевтике внутренних болезней: учебное пособие для студентов по специальности «Гастроэнтерология, гематология» на английском языке. Ч. III : a tutorial for students in the specialty «Gastroenterology, Hematology» in English / Д. Н. Емельянов, Р. Г. Мязин, Е. В. Белякова и др. - Волгоград : ВолгГМУ, 2021. - 100 с. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/subject-tests-propedeutics-of-internal-diseases-part-iii-13817067/>

2 Internal Diseases : Textbook in 2 Vols. Vol. I / edited by A. I. Martynov, Z. D. Kobalava, S. V. Moiseev. - Moscow : GEOTAR-Media, 2022. - 688 с. - ISBN 978-5-9704-6766-4. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970467664.html>

3. Internal Diseases. Vol. II. : Textbook in 2 Vols. / edited by A. I. Martynov, Z. D. Kobalava, S. V. Moiseev. - Moscow : GEOTAR-Media, 2022. - 616 с. - ISBN 978-5-9704-6767-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970467671.html>

### Educational- methodical:


Guidelines for independent work of students in the discipline «Polyclinic therapy» for the specialty 31.05.01 «General medicine» / М. А. Vize-Khripunova, А. М. Shutov, S. М. Sharshova, Е. V. Efremova; Ulyanovsk State University. - Ulyanovsk : UISU, 2022. - 21 p. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11569>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

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## b) Software:

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

Standard:

1) ОС: Windows

2) Антивирус: DrWeb

3) Офисный пакет: Microsoft Office, Мой Офис Стандартный

### c) Professed data base, directory and search systems:

#### 1. Электронно-библиотечные системы:

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2024]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2024]. - URL: <https://urait.ru> . – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2024]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2024]. – URL: <https://www.books-up.ru/ru/library/> . – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2024]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС **Znanium.com** : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2024]. - URL: <http://znanium.com> . – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2024].

**3. eLIBRARY.RU**: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2024]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный


**4. Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2024]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

**5. Российское образование** : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.

**6. Электронная библиотечная система УлГУ** : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.





Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the dicipline		

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