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**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA**  
**Federal State Budgetary Educational Institution**  
**of higher education**  
**«I.N. Ulianov Chuvash State University»**  
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

Medical Faculty

Department of Economic Theory and International Economic Relations

«APPROVE»

Vice-rector for Academic Affairs

  
I.E. Poverinov

« 13 » 04 2022

**Working programs of the discipline (module)**  
**«Экономика / Economics»**

Direction of training / specialty 31.05.03 Стоматология / Dentistry

Graduate's qualification Врач-стоматолог / Dental Practitioner

Direction (profile) / specialization «Dentistry»

Form of training – очная / intramural

Course – 2

Term – 4

Total academic hours/credit points – 72/2

The year of beginning the training – 2022

The fundamental document for compiling the working program of the discipline (module)  
Федеральный государственный образовательный стандарт высшего образования -  
специалитет по специальности 31.05.03 Стоматология (приказ Минобрнауки России от  
12.08.2020 г. № 984)

Approved by:

Head of the department, Candidate of Economic Sciences N.A. Efremov

The working program was approved at the meeting of the Department of Economic  
Theory and International Economic Relations, 02.03.2022, protocol № 5

Head of the department N.A. Efremov

Approved by

Dean of the Medical Faculty V.N. Diomidova

Acting Head of the Educational and Methodological Department E.A. Shirmanova

### 1. The purpose and objectives of training in the discipline (module)

The purpose of the discipline - to provide students with knowledge and skills in the field of economics that determine their rational behavior and direct practical application of this knowledge and skills in their professional activities.

The objectives of the discipline

- mastering the basic concepts of economics;
- assimilation of basic concepts and categories;
- study of economic phenomena and processes;
- study of the specifics of different market structures;
- the ability to use sources to make optimal decisions at the level of the firm, household and industry;
- to instill skills of independent assessment of economic phenomena from the perspective of rationalization of economic processes in order to maximize benefits and minimize losses.

### 2. The place of practical training in the structure of the educational program of higher education

The discipline «Экономика / Economics» относится к обязательной части учебного плана refers to the mandatory part in the curriculum of the educational program of higher education (hereinafter referred to as the EP of HE) in the field of training / specialty 31.05.03 Стоматология, direction (profile) / specialization of the program «Dentistry».

Previous academic disciplines (modules) and (or) practices that form the knowledge, skills and abilities necessary for training in the discipline (module):

Философия / Philosophy

Правоведение / Jurisprudence

Knowledge, skills and abilities formed as a result of training in a discipline (module) are necessary when teaching in the following disciplines (modules) and (or) practices:

Основы проектной деятельности / Basics of Project Activity

Общественное здоровье и здравоохранение, экономика здравоохранения / Public Health and Healthcare, Health Economics

Подготовка к сдаче и сдача государственного экзамена / Preparation for passing and passing the state exam

### 3. Planned learning outcomes in the discipline (module), correlated with the planned learning outcomes

Planned learning outcomes in the discipline (module), correlated with the planned learning outcomes

Code and name of the competence	Code and name of the competence achievement	Descriptors for the indicator of competence achievement (learning)
УК-6 Способен определять и реализовывать приоритеты собственной деятельности и способы ее совершенствования на основе самооценки и образования в течение всей жизни / He/she is able to identify and implement the priorities of his /her own	УК-6.1 Владеет основами методов и инструментов управления временем для достижения цели и решения конкретных задач / He/she possesses the basics of methods and tools for time management to achieve the goal and solve specific problems	

<p>activities and the ways to improve them on the basis of self-esteem and lifelong education throughout life</p>		
<p>УК-6 Способен определять и реализовывать приоритеты собственной деятельности и способы ее совершенствования на основе самооценки и образования в течение всей жизни / He/she is able to identify and implement the priorities of his /her own activities and the ways to improve them on the basis of self-esteem and lifelong education throughout life</p>	<p>УК-6.2 Способен выстраивать и в течение всей жизни реализовывать траекторию личного развития на основе принципов образования / He/she is able to build and to implement the trajectory of personal development based on the principles of education throughout life</p>	
<p>УК-6 Способен определять и реализовывать приоритеты собственной деятельности и способы ее совершенствования на основе самооценки и образования в течение всей жизни / He/she is able to identify and implement the priorities of his /her own activities and the ways to improve them on the basis of self-esteem and lifelong education throughout life</p>	<p>УК-6.3 Способен вносить коррективы в развитие своей профессиональной деятельности в связи с личными интересами, потребностями общества и изменением внешних факторов / He/she is able to make adjustments to the development of his / her professional activities in connection with personal interests, the needs of society and changes in external factors</p>	
<p>УК-10 Способен принимать обоснованные экономические решения в различных областях жизнедеятельности / He/she is able to make informed economic decisions in various areas of life</p>	<p>УК-10.1 Понимает базовые принципы функционирования экономики и экономического развития, цели и формы участия государства в экономике / He/she understands the basic principles of economics functioning and economic development, the goals and forms of state participation in the economy</p>	<p>To know the basics of the behavior of economic agents; the basic principles of economic analysis for decision-making; basic economic concepts; resource constraints of economic development, sources of labor productivity, technical and technological progress, indicators of economic development and economic growth; the concept of public goods and the role of the state in their provision; the purpose, objectives and tools of macroeconomic policy of the state. Be able to perceive and analyze</p>

		<p>the information necessary for making informed economic decisions.</p> <p>Possess the skills of critical assessment of information about the prospects for economic growth and technological development of the country's economy and its individual industries.</p>
<p>УК-10 Способен принимать обоснованные экономические решения в различных областях жизнедеятельности / He/she is able to make informed economic decisions in various areas of life</p>	<p>УК-10.2 Способен применять методы личного экономического и финансового планирования для достижения текущих и долгосрочных финансовых целей / He/she is able to apply personal economic and financial planning techniques to achieve current and long-term financial goals</p>	<p>To know the main types of personal income, the mechanisms of their receipt and increase; the essence and functions of entrepreneurial activity; the main financial organizations and the principles of interaction of the individual with them.</p> <p>Be able to solve typical tasks in the field of personal economic and financial planning.</p> <p>Possess the skills of the methodology of economic and financial planning to achieve current and long-term financial goals.</p>
<p>УК-10 Способен принимать обоснованные экономические решения в различных областях жизнедеятельности / He/she is able to make informed economic decisions in various areas of life</p>	<p>УК-10.3 Способен использовать финансовые инструменты для управления личными финансами (личным бюджетом), контролировать экономические и финансовые риски в различных областях жизнедеятельности / He/she is able to use financial instruments to manage personal finances (personal budget), control economic and financial risks in various areas of life</p>	<p>To know the main financial instruments used to manage personal finances; the concepts of risk and uncertainty; types and sources of economic and financial risks for an individual, ways to assess and reduce them; the main stages of the individual's life cycle; the main types of expenses, mechanisms for reducing them; principles and technologies of personal budget management.</p> <p>Be able to choose personal finance management tools; use sources of information about the rights and obligations of the consumer of financial services.</p> <p>Possess the skills of using financial instruments to manage personal finances and control economic and financial risks in various areas of life</p>

#### 4. Structure, scope and content of the discipline (module)

Educational activities in the discipline (module) are carried out:

- in the form of students' face-to-face work with the teaching staff of the organization and (or) persons involved by the organization to implement the educational programs on

other terms (hereinafter - contact work);

- in the form of students' independent work.

Face-to-face work can be classroom-based, extramural, as well as it can be conducted in an electronic information and educational environment (EIEE).

Learning sessions in the discipline (module) and interim assessment of students are conducted in the form of face-to-face work and in the form of students' independent work.

During learning sessions in the discipline (module) face-to-face work includes: lecture-type classes, seminar-type classes and (or) group consultations, and (or) individual work of students with the teaching staff of the organization and (or) persons involved by the organization to implement the educational programs on other terms (including individual consultations).

Legend:

Lec – lectures, Lab – laboratory work, Pr – practical classes, ICW – individual face-to-face work, IW – independent work.

#### 4.1. Content of the discipline (module)

Section name	The section's content	Formed competences	Competence achievement indicator
Microeconomics	Basic economic concepts	YK-10	YK-10.1, YK-10.2, YK-10.3
	Demand, supply, elasticity		
	Costs and profits		
	Market structures		
	Markets of factors of production		
Macroeconomics	National economy and key macroeconomic indicators		
	Budget-tax and credit-banking systems		
	Fundamentals of financial literacy		
Individual contact work	Individual contact work (zachet)		

#### 4.2. Scope of the discipline and types of academic work

Forms of control and types of academic work	Labor intensity of the discipline (module)	
	4	total
1. Face-to-face work:	32,2	32,2
In-class learning in total, including:	32	32
Лекционные занятия (Лек)	16	16

Практические занятия (Пр)	16	16	
Индивидуальная контактная работа (ИКР)	0,2	0,2	
2. Independent work of the student:	39,8	39,8	
3. Intermediate certification (exam) (зачет)	3a	3a	
Total:	academic hours	72	72
	credit units	2	2

№ item	The section's (theme's) name	Face-to face work, including in the electronic information and educational environment, academic hours				IW, academic hours	Total, academic hours
		Lect.	Pr.	Lab.	ICW		
	Microeconomics						
1	Basic economic concepts	2	2			10,8	14,8
2	Demand, supply, elasticity	2	2			7	11
3	Costs and profits	2	2			7	11
4	Market structures	2	2			3	7
5	Markets of factors of production	2	2			3	7
	Macroeconomics						
6	National economy and key macroeconomic indicators	2	2			3	7
7	Budget-tax and credit-banking systems	2	2			3	7
8	Fundamentals of financial literacy	2	2			3	7
	Individual contact work						
9	Individual contact work (zachet)				0,2		0,2
Total academic hours		16	16		0,2	39,8	72

#### 4.3. Summary of the discipline (module), structured by sections (topics)

##### Раздел 1. Microeconomics

##### Тема 1. Basic economic concepts

Лекционное занятие. Basic economic concepts

1. Approaches to the analysis of economic development.

2. Property as the main economic institution.

3. The market: the essence, conditions of existence and functions.
4. Basic economic models.

Практическое занятие. Basic economic concepts.

Classification of economic systems based on structural, socio-economic and other criteria. The structure of the modern economic system. The property system as the basis of the economic system. The subject structure and the main models of the modern market economy. Households, firms and the state as the main subjects of the modern market economy; their socio-economic goals and features of functioning. Appropriation as the basis of ownership. Methods and forms of assignment. Alternative approaches to property research. Definition of the subject of economic theory as the basis of the scientific paradigm of property research. The essence of the assignment. Characteristics of the creative-labor, creative way of appropriating goods. The essence and structure of ownership. Definition of the essence of ownership.

## **Тема 2. Demand, supply, elasticity**

Лекционное занятие. Demand, supply, elasticity

1. Demand, supply and factors influencing them.
2. Market equilibrium and its models.
3. Elasticity of supply and demand.

Практическое занятие. Demand, supply, elasticity.

The law of demand, the law of supply. The equilibrium price. The essence of the law of demand. The magnitude and level of demand. Factors of the dynamics of the magnitude and level of demand. Income effect and substitution effect in demand theory. The essence of the law of the supply of goods. The size and level of the offer. Factors of the dynamics of magnitude and level: proposals. Supply and demand as factors determining the price. The essence of the market price from a functional point of view. Mechanism and types of market equilibrium. Definition of the essence and characteristics of the mechanism of market equilibrium as a mechanism of competition between consumers and producers. The emergence of a commodity surplus and deficit. Elasticity of supply and demand in terms of price and income. Elasticity indicators.

## **Тема 3. Costs and profits**

Лекционное занятие. Costs and profits

1. The costs of the company.
2. Types of costs.
3. Income (revenue) and profit.

Практическое занятие. Costs and profits

The concept and types of costs. The essence of production costs. Economic and accounting costs. Variable and fixed costs. Total, average and marginal amounts of revenue and costs. The relationship between the dynamics of total and average, total and marginal, average and marginal costs. The impact of changes in various conditions and factors on costs in the short and long term. The economic nature of profit and its maximization. Gross revenue and costs. Profit maximization as a function of entrepreneurial management of the company. Accounting and economic profit, net cash flow and internal rate of return.

## **Тема 4. Market structures**

Лекционное занятие. Market structures

1. Types and models of the market.
2. Characteristics of the main types of imperfect competition markets.
3. Antimonopoly legislation and regulation of natural monopolies.

Практическое занятие. Market structures

The essence and classification of monopolies in the economy. Concentration of production and monopoly. Monopoly. Pure monopoly. Natural monopoly. State regulation of natural monopolies. Technological oligopolies. Monopolies associated with leadership in

scientific and technological progress. Entry and exit barriers (in the industry). Monopolistic competition of trademarks. Monopolies associated with leadership in scientific and technological progress. Comparative advantage. Monopolies that are subject to demonopolization and regulation. Market power and the equilibrium of the monopolist firm. Dynamics of gross, average and marginal income of a monopolist firm. Graphical analysis of the equilibrium of a monopoly firm. Conditions for profit maximization by a monopolist firm. Equality of marginal costs to marginal income. Average costs and monopoly profits. Options for making a profit by a monopolist firm. Definition of the essence of market power. Sources of monopoly power and methods of its calculation. The coefficient of A. Lerner. Herfindahl Market concentration index.

## **Тема 5. Markets of factors of production**

Лекционное занятие. Markets of factors of production

1. Labor market and wages.
2. Capital market. Percent. Investment.
3. The land market. Rent

Практическое занятие. Markets of factors of production

Labor force, labor and human capital. The ratio of the concepts of human capital, labor and labor: general and special. Modern concepts of human capital. Potential and functional workforce. Wages as a result of the economic realization of the ownership of labor. Nominal and real wages. Labor productivity and wages. Physical capital as a factor of production and its "pure" productivity. Capital and associated production. Physical and monetary capital. The level of income on capital. Internal rate of return. Marginal product and demand for material capital. Capital and interest income, the equilibrium interest rate.

Land as a factor of production. The essence of agrarian relations. There are two types of monopoly on land: monopoly of private property, monopoly on land as an object of management. Rent and rental relations. Differential rent I and II. Principles, conditions, sources of differential rent formation. Absolute rent. The price of land as capitalized rent. Land lease.

## **Раздел 2. Macroeconomics**

### **Тема 6. National economy and key macroeconomic indicators**

Лекционное занятие. National economy and key macroeconomic indicators

1. The system of national accounts and the main macroeconomic indicators.
2. Economic growth.
3. Cyclical development of the economy.

Практическое занятие. The national economy and the main macro-economic indicators.

Macroeconomic indicators and their use in the analysis of production efficiency. Dynamics of the main macroeconomic variables. Nominal and real variables. General price level and price index. GDP deflator. Consumer goods price index. The price index of industrial goods. General characteristics of consumption and savings. The value of dividing the personal disposable income of households into consumed and saved parts. Consumption and savings as income functions. Consumption patterns. Savings. Average and marginal propensity to save and consume. The decline in the average and marginal propensity to consume as income increases. Non-income factors of consumption and savings.

Aggregate demand and its determining factors. The AD curve. Multiplier of autonomous expenses. The aggregate offer. Analysis of the AS curve. Macroeconomic equilibrium of aggregate demand and aggregate supply. Sources of economic growth. Factors of economic growth: quantity and quality of natural and human resources, accumulated reserves of human and material capital, the level of technological development of production. Types of economic growth. Economic cycles and their characteristics. The concept of the economic cycle. Reasons for cyclicity. Objective nature of cyclical

fluctuations and macroeconomic instability.

## **Тема 7. Budget-tax and credit-banking systems**

Лекционное занятие. Budget-tax and credit-banking systems

1. The state budget and the budget system.
2. Public debt and its types.
3. Taxes and transfers. The tax system.
4. Money market.
5. Inflation: the essence, types, forms and consequences.

Практическое занятие. Budget-tax and credit-banking systems

The essence and socio-economic purpose of public finance. Definition of public finances and their socio-economic purpose. The state budget. Characteristics of state budget expenditures. Government procurement and transfer payments. Budget expenditures and aggregate demand. Modern features of government spending.

The tax system. Taxpayers, objects of taxation, tax base, tax rate. Direct and indirect taxes socio-economic consequences of the introduction of direct and indirect taxes. Net taxes. Functions of taxes and the tax system: fiscal, social and regulatory.

The supply and demand of money in the modern economy. Monetary circulation (M. Friedman). Senorage. Money supply and its measurement. Monetary aggregates. Definition of the essence of the money market and its socio-economic purpose.

Inflation and its socio-economic consequences. The essence of inflation. Inflation as a stable macroeconomic disequilibrium towards the growth of aggregate demand. The growth of the general price level and the deficit as a form of manifestation of inflation. Causal relationships of the modern inflationary process. Factors, causes, mechanisms of inflation.

## **Тема 8. Fundamentals of financial literacy**

Лекционное занятие. Fundamentals of financial literacy

1. Family (personal) budget
2. Loans and savings
3. Currency and investments
4. Insurance and pension provision

Практическое занятие. Fundamentals of financial literacy

Sources of family funds. Types of income and ways of obtaining them. Payment of severance pay upon dismissal. Budget deficit (surplus). Types of scarcity. Investments are savings. Bank savings deposit, interest rate. Investment income. Banks and their role in family life. Deposit Insurance System (CERS). Refinancing of loans. Mortgage. Exchange rate: fixed and adjustable. Risk diversification. Life insurance. Mandatory pension insurance. Non-state pension fund. Risk, insured event, insurance premium, insurance payments.

Income remaining after taxes. Filing a tax return. Ways to get rid of a chronic budget deficit. Inflation: the rate of inflation growth. Credit: basic rules for the use of loans. Mutual Investment Fund (Mutual fund). The foreign exchange market. Risks. Changes in the exchange rate and its impact on firms and the population. Compulsory and voluntary insurance. Pension system of the Russian Federation. Pension: types of pensions. Voluntary (additional) pension savings.

## **5. Educational technologies**

To implement the competence-based approach in the study of the discipline (module), extensive use of active and interactive methods of conducting classes in the educational process is provided:

Within the framework of the discipline, the following forms of classes and educational technologies are used:

- lectures – combine aspects of traditional lectures and interactive forms of learning, such as discussions, conversations, analysis of the experience of practical application of marketing technologies by Russian and foreign enterprises, etc.;

- practical classes – provide for business and role-playing games, trainings, analysis of specific situations (case-study), teamwork when performing tasks, preparation of presentations, etc.;

- the use of multimedia tools (electronic whiteboards, projectors) – to improve the quality of perception of the studied material;

- supervised homework – to encourage students to work independently;

- control works, testing – for intermediate certification and assessment of the degree of assimilation of the material passed by students.

## **6. Forms of control and types of evaluation materials for the discipline (module)**

Intermediate attestation - evaluation of intermediate and final results of training in the discipline (module).

### **6.1. Sample list of questions for the credit test**

1. Stages of development of economic thought.
2. Approaches to the analysis of social development (formational, neoclassical).
3. Types and models of economic systems.
4. Economic circulation.
5. Property as an economic and legal category.
6. Forms of ownership. Privatization and denationalization.
7. The essence of production. Needs and economic interests.
8. Resources and factors of production. Primary and secondary resources.
9. The curve of production capabilities.
10. The product and its components. The dual nature of labor embodied in the product.
11. The essence and functions of money. Evolution of monetary systems.
12. Supply and demand. Factors affecting them.
13. Market equilibrium. Elasticity of the offer.
14. Elasticity of demand by income and price. Cross elasticity of demand.
15. Utility, need and consumer behavior.
16. Cardinalism, ordinalism.
17. The indifference curve and the budget line.
18. The main forms of business organization. Classification of firms and enterprises.
19. The costs of the company. Accounting and economic costs.
20. Types of costs (FC, VC, TC, MC, AC). Types of average costs.
21. Income (revenue). Profit: conditions of education, functions and types.
22. Profit maximization conditions.
23. The behavior of the producer in a market economy.
24. Market: conditions of existence, functions.
25. Models of markets (the market of perfect and imperfect competition). Types of markets of imperfect competition (monopoly, oligopoly, monopolistic competition, monopsony, etc.).
26. Assessment of the degree of monopolization of the market. The Lerner Index.

The Hirschmann-Herfindahl coefficient.

27. Antimonopoly legislation and regulation of natural monopolies.
  28. Fixed and working capital.
  29. Physical and moral wear and tear. Depreciation.
  30. The theory of interest. Types of interest rates.
  31. Labor market.
  32. The essence, levels, forms and systems of wages.
  33. The land market. The essence and forms of land rent. The price of land.
  34. The main macroeconomic indicators (GDP, GNP, CNP, ND, LD and RD).
  35. Economic proportions. Types of GNP. Methods of measuring GNP.
  36. The system of National Accounts. National wealth and its structure.
  37. Aggregate demand and aggregate supply. Factors affecting them.
  38. Macroeconomic equilibrium. Classical and Keynesian concepts of macro-economic equilibrium.
  39. Consumption and saving. Average and marginal propensity to consume and save.
  40. Investments. Classification of investments. Factors affecting the volume of investments. Investment multiplier.
  41. The cyclical nature of economic development. The main types of economic cycles.
- Phases of the economic cycle.
42. Causes of economic cycles. Countercyclical policy.
  43. Unemployment as a socio-economic phenomenon. Forms and types of unemployment. Oaken's law.
  44. Inflation: the essence, causes and consequences.
  45. The rate of inflation. Types and forms of inflation. The Philips curve.
  46. The demand for money. The structure of the money supply.
  47. The offer of money. Discount rate. The principle of operation of the monetary (bank) multiplier.
  48. Equilibrium in the money market. Monetary policy.
  49. Types of securities (bond, stock, promissory note, check, certificate of deposit).
- Government securities.
50. Securities market. Primary and secondary market. Exchange and over-the-counter turnover of securities.
  51. The State budget and the budget system.
  52. Taxes: essence, functions. Methods of tax collection. The tax system. Kree-wai Laffer.
  53. Fiscal policy. Tax multiplier. The multiplier of government spending.
  54. Banks: their types and operations.
  55. Credit: essence, functions, forms. The credit system.
  56. Economic growth and its factors. The type of economic growth.
  57. GRE (state regulation of the economy) and its functions.
  58. Open economy (world trade, capital movement, international currency relations).
  59. Income inequality. Lorentz curve, Gini coefficient.
  60. The essence and features of the transition economy. Options and tasks of the transition

## **6.2. Sample list of questions for the examination**

The exam is not provided

## **6.3. Suggested themes of term papers (projects)**

Coursework is not provided

## **6.4. Suggested themes of term projects**

The course project is not provided

## 6.5. Suggested topics of calculation and graphic works

Calculation and graphic work is not provided

## 7. Educational, methodological, informational and software support of the discipline (module)

The electronic catalog and electronic information resources provided by the scientific library of the FSBEI of HE "I. N. Ulianov Chuvash State University" are available at the link <http://library.chuvsu.ru/>

### 7.1. Regulatory documents, standards and rules

Конституция Российской Федерации : [принята всенародным голосованием 12 декабря 1993 года] : [с учетом поправок от 30 декабря 2008 года, от 05 февраля 2014 года, от 21 июля 2014 года]. – URL: [http://www.consultant.ru/document/cons\\_doc\\_LAW\\_28399/](http://www.consultant.ru/document/cons_doc_LAW_28399/) – Текст: электронный.

Гражданский кодекс Российской Федерации (часть первая) : ГК РФ ч.1: Федеральный закон Российской Федерации от 30 ноября 1994 года № 51-ФЗ : [принят Государственной думой 21 октября 1994 года] : [редакция от 18 июля 2019 года]. – URL: [http://www.consultant.ru/document/cons\\_doc\\_LAW\\_5142/](http://www.consultant.ru/document/cons_doc_LAW_5142/) – Текст: электронный.

### 7.2. Recommended basic educational and methodological literature

№ item	Name
1	Кульков, Теняков Макроэкономика [Электронный ресурс]: Учебник и практикум для вузов. - Москва: Юрайт, 2022. - 294 с – Режим доступа: <a href="https://urait.ru/bcode/489192">https://urait.ru/bcode/489192</a>
2	Левина, Покатович Микроэкономика [Электронный ресурс]: учебник и практикум для вузов. - Москва: Юрайт, 2022. - 673 с – Режим доступа: <a href="https://urait.ru/bcode/493688">https://urait.ru/bcode/493688</a>
3	Г. А. Родина [и др.] ; под редакцией Г. А. Родиной. Основы экономики. Микроэкономика [Электронный ресурс]: учебник для спо. - Москва: Юрайт, 2022. - 330 с – Режим доступа: <a href="https://urait.ru/bcode/489840">https://urait.ru/bcode/489840</a>

### 7.3. Recommended supplementary educational and methodological literature

№ item	Name
1	Серегина, Аносова И. С., Ким, Касаткина, Щукина, Давыдова, Пономарев, Букина, Кутепова, Каяшева Макроэкономика. Сборник задач и упражнений [Электронный ресурс]: Учебное пособие для вузов. - Москва: Юрайт, 2022. - 154 с – Режим доступа: <a href="https://urait.ru/bcode/488900">https://urait.ru/bcode/488900</a>
2	Дерен Экономика: экономическая теория и экономическая политика в 2 ч. Часть 1 [Электронный ресурс]: учебник и практикум для вузов. - Москва: Юрайт, 2022. - 432 с – Режим доступа: <a href="https://urait.ru/bcode/494634">https://urait.ru/bcode/494634</a>
3	Дерен Экономика: экономическая теория и экономическая политика в 2 ч. Часть 2 [Электронный ресурс]: учебник и практикум для вузов. - Москва: Юрайт, 2022. - 415 с – Режим доступа: <a href="https://urait.ru/bcode/495678">https://urait.ru/bcode/495678</a>
4	Маховикова Микроэкономика [Электронный ресурс]: учебник и практикум для спо. - Москва: Юрайт, 2022. - 281 с – Режим доступа: <a href="https://urait.ru/bcode/489850">https://urait.ru/bcode/489850</a>

### 7.4. List of resources of the "Internet" information and telecommunication network

№ item	Name	Link to the resource
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1	Научная электронная библиотека «Киберленинка». - Режим доступа: <a href="http://cyberleninka.ru">http://cyberleninka.ru</a>	<a href="http://cyberleninka.ru">http://cyberleninka.ru</a>
2	Российская национальная библиотека. - Режим доступа: <a href="http://www.nlr.ru">http://www.nlr.ru</a>	<a href="http://www.nlr.ru">http://www.nlr.ru</a>
3	Российская государственная библиотека. - Режим доступа: <a href="http://www.rsl.ru">http://www.rsl.ru</a>	<a href="http://www.rsl.ru">http://www.rsl.ru</a>

### **7.5. Software, professional databases, information and reference systems, electronic educational resources and electronic library systems**

Software, professional databases, information and reference systems provided by the Informatization Department of the FSBEI of HE "I.N. Ulianov Chuvash State University" are available for download at the link <http://ui.chvsu.ru> //. The Unified Register of Russian programs for electronic computers and databases, including freely distributed ones, is available at the link [reestr.minsvyaz.ru/reestr /](http://reestr.minsvyaz.ru/reestr/).

#### **7.5.1. Licensed and freely distributed software**

Microsoft Windows operating System and/or Unix-like operating system and/or mobile operating system;

Office software packages:

Microsoft Office and/or LibreOffice

and (or) OpenOffice and (or) analogues;

Browsers, including Yandex.Browser.

List of software:

#### **7.5.2. Lists of professional databases and (or) information reference systems and (or) electronic library systems and (or) electronic educational resources**

## **8. Material and technical support of the discipline**

Classrooms for lecture-type classes in the discipline are equipped with a teacher's automated workplace consisting of: a personal computer/laptop, multimedia equipment with a screen and (or) SMART interactive whiteboard/SMART TV.

The premises for students' independent work are equipped with computer equipment enabling to connect to the Internet and provide access to the electronic information and educational environment of the FSBEI of HE "I.N. Ulianov Chuvash State University".

№ item	Lesson type	Brief description and characteristics of the composition of installations, measuring and diagnostic equipment, computer equipment and experimental automation tools
1		

## **9. Means of adapting the discipline teaching to the needs of persons with physical conditions**

If necessary, persons with physical conditions can be offered one of the following options for perceiving information, taking into account their individual psychophysical characteristics:

- 1) using e-learning and distance learning technologies.
- 2) using special equipment (enginery) and software in accordance with the students' health restrictions in the Training Centers for Persons with Disabilities and Physical Conditions (hereinafter referred to as special needs) available at the university.

In the course of training, if necessary, the following conditions are provided for persons with visual, hearing and musculoskeletal disorders:

- for persons with visual impairments: educational and methodological materials in printed form in enlarged font; in the form of an electronic document; in the form of an audio file (conversion of educational materials into audio format); in printed form in Braille; individual consultations involving a tactile interpreter; individual assignments and consultations.

- for people with hearing impairments: educational and methodological materials in printed form; in the form of an electronic document; video materials with subtitles; individual consultations involving a sign language interpreter; individual assignments and consultations.

- for persons with disorders of the musculoskeletal system: educational and methodological materials in printed form; in the form of an electronic document; in the form of an audio file; individual assignments and consultations.

## **10. Guidelines for students to perform independent work**

The purpose of the student's independent work (IW) is to consolidate the theoretical knowledge gained and to acquire practical skills in using and performing research of algorithms and data structures when designing application software programs. IW includes independent study of educational issues, preparation for laboratory classes, performing calculation and graphic work, preparation for a test and an exam.

The list of questions and tasks for independent work to prepare for laboratory classes is given in the corresponding methodological instructive regulations in the description of each laboratory work.

The list of questions and tasks for independent work to carry out calculation and graphic work is given in the relevant methodological instructive regulations.

Independent work is an integral part of the educational process. The purpose of independent work is the formation of the student's abilities and skills for continuous self-education and professional improvement.

The realization of this goal involves solving the following tasks:

- systematization and consolidation of theoretical knowledge and practical skills acquired in the classroom;

- deepening the knowledge gained in the classroom and mastering new knowledge in order to expand professional horizons;

- formation of skills in the search and use of normative, legal, reference and special literature, as well as other sources of information;

- development of cognitive abilities and activity, creative initiative, independence, responsibility and organization;

- formation of independent thinking, abilities for self-development, self-education, self-improvement and self-realization;
- development of research skills;
- formation of the ability to solve practical problems using acquired knowledge, abilities and skills.

Topics submitted for independent study should be outlined. A well-written synopsis helps to assimilate the material. The summary summarizes the main provisions of the educational material, digital data, diagrams, calculations, etc. It is recommended to use various sources – scientific and educational literature, Internet resources, information from the media, etc. It is important to add your comments, justifications, conclusions. Such a summary will be of great value in preparing for classes and the test.

### **11. Methodological instructive regulations for students studying the discipline (module)**

When starting to study a discipline (module), it is necessary first of all to familiarize yourself with the content of the work program of the discipline (module) (hereinafter referred to as the RPD).

Lectures are intended to give a systematic basis of scientific knowledge.

When studying and working out theoretical material, it is necessary to:

- repeat the material outlined in the lecture lesson and supplement it with the recommended literature on this topic;
- when studying a theoretical topic independently, make a summary using the literature sources recommended in the RAP.
- when preparing for the current and intermediate control, use the materials of the FOS.

Working with educational and methodological and scientific literature is one of the important forms of work on the study of the discipline (module) and is necessary in preparation for an oral survey in seminar-type classes, for control works, testing, and offsetting. It includes the study of lecture material – the study of recommended sources and literature on the subject of lectures. The lecture summary should contain an abstract record of the main questions of the lecture, the schemes proposed by the teacher (when they are demonstrated), the main sources and literature on the topics, conclusions on each issue. The summary should be made in a separate notebook for the discipline (module). It should be neat, easy to read, and not contain irrelevant information or drawings.

Abstracts of scientific literature in preparation for classes should also be carried out carefully, contain answers to each question posed in the topic, have a link to the source of information with mandatory indication of the author, title and year of publication of the scientific literature used. The summary can be a reference (contain only the main key positions), but at the same time it allows you to give a complete answer to the question, it can be detailed. The volume of the abstract is determined by the student himself.

In the process of working with educational and scientific literature, the student can:

- make notes as you read in the form of a simple or detailed plan (create a list of the main issues discussed in the source);
- make abstracts (quoting the most important parts of an article or monograph, a short summary of the author's main thoughts);
- prepare annotations (a brief summary of the main issues of the work);
- create abstracts (detailed abstracts that).

Work with literature should begin with an analysis of the RAP, which lists the main and additional literature, educational and methodological publications necessary for the development / study of the discipline (module) and work in seminar-type classes.

After selecting the desired source, you should find the section of interest by the table of contents or alphabetical index, as well as the section of the lecture notes or textbook of the same name. In case of difficulties in understanding the educational material, you should turn to other sources where the presentation may be more accessible. It should be noted that

working with literature is not only useful as a means of deeper development of the discipline (module), but is also an integral part of the professional activity of a future graduate.

### **11.1. Methodological instructive regulations for preparing for seminar-type classes**

A seminar lesson is one of the forms of educational work that is focused on consolidating the studied theoretical material, its deeper assimilation and the formation of the ability to apply theoretical knowledge for practical, applied purposes. Special attention in practical classes is paid to the development of educational or professional skills. Such skills are formed in the process of performing specific tasks – exercises, tasks, etc. – under the guidance and supervision of a teacher. The main purpose of practical training is the formation of skills and the acquisition of practical experience aimed at the formation of professional competencies.

The content of practical classes is the solution of various kinds of tasks, including professional ones (analysis of real situations, solving situational tasks, performing professional functions in business games, etc.), the study of methods necessary for decision-making in professional activities, and the acquisition of skills in their application, working with information, its systematization, processing and registration of results and others .

To prepare for the practical lesson, the student needs to study the theoretical material on this topic, remember the basic definitions, rules and formulas, and familiarize himself with the methods if necessary. In order to consolidate the material passed, the student needs to do homework in accordance with the task received at the previous practical lesson. In case of difficulties in its implementation, it is recommended to seek the help of a teacher in the time allotted for consultations.

### **11.2. Methodological instructive regulations for preparing for an examination**

Not provided

### **11.3. Methodological instructive regulations for preparing for a test**

Students are informed in advance of a list of questions for the test and a list of recommended sources for studying. When preparing for the test, the student should carefully study the summary, recommended literature and other sources. At the same time, it should be borne in mind that, as a rule, it is not so much the level of memorization of educational material by students that is checked, as how they understand certain scientific concepts, categories, systematize arguments and facts, how they can think, defend a certain position in a reasoned manner, explain and interpret the studied material.

### **11.4. Methodological instructive regulations for performing computational and graphical**

Not provided

### **11.5. Methodological instructive regulations for performing a control work**

Not provided

### **11.6. Methodological instructive regulations for performing a course work (project)**

Not provided

### List of additions and changes

The name and details (if any) of the document attached to the Working Program of the discipline (module) containing the text of updates	Department's decision		Full name of department head:
	Date	Protocol №	