

ECTS PACKAGE  
Uman National University of Horticulture

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## SECTION I. GENERAL INFORMATION ABOUT UKRAINE

### **Location.**

Ukraine is a country situated in eastern Europe.

Ukraine borders on Belarus, Poland, Slovakia, Hungary, Romania, Moldova and Russian Federation. It is washed by the Black Sea and Sea of Azov.

It has an area of about six hundred three thousand seven hundred square kilometers. The population of Ukraine is about 45 million people. The capital of Ukraine is Kyiv.



### **Climate.**

Ukraine has a mostly warm continental climate, although a more Mediterranean style climate is found on the southern Crimean coast. Temperature averages vary greatly depending on the region, and while Kiev may have some very cold days in the winter, cities in the south part of Ukraine rarely see negative temperatures. The average winter temperature is from  $-8^{\circ}$  to  $-15^{\circ}$  C. The average summer temperature is from  $+18^{\circ}$  to  $+25^{\circ}$  C.

### **Governmental system.**

Ukraine is a republic with a constitutional democracy form of government, headed by the President. The power is divided among executive, legislative and judicial branches. The President designates a Prime Minister and regional governors, the Supreme Council can veto his decisions.

Executive branch: Cabinet of Ministers appointed by the President and approved by the Supreme Council.

Legislative branch: unicameral Supreme Council (Verkhovna Rada) of 450 seats.

The Ukrainian national emblem is a golden Trident.



### **Some historical facts about Ukraine.**

The territory of Ukraine has been inhabited for at least 44,000 years. The first identifiable groups to populate what is now Ukraine were Cimmerians, Scythians, Sarmatians, and Goths, among other nomadic peoples who arrived throughout the first millennium B.C. Slavic tribes occupied central and eastern Ukraine in the sixth century A.D. and played an important role in the establishment of Kiev. Situated on lucrative trade routes, Kiev quickly prospered as the center of the powerful state of Kievan Rus. In the 11th century, Kievan Rus was, geographically, the largest state in Europe. Christian missionaries, Cyril and Methodius, propagated the Christian faith and the Cyrillic alphabet. Kievan Rus Prince Volodymyr converted the Kievan nobility and



most of the population to Christianity in 988. Conflict among the feudal lords led to decline in the 12th century. Mongol raiders razed Kiev in the 13th century.

Most of the territory of what is modern Ukraine was annexed by Poland and Lithuania in the 14th century. Ukrainian peasants who fled

the Polish effort to force them into servitude came to be known as Cossacks and earned a reputation for their fierce martial spirit and love of freedom. In 1667, Ukraine was partitioned between Poland and Russia. In 1793, when Poland was partitioned, much of modern-day Ukraine was integrated into the Russian Empire.

In the 19th century some parts of Ukraine were under the control of the Austro-Hungarian Empire and some – under the Russian Empire. Ukrainian writers and intellectuals were inspired by the nationalistic spirit stirring other European peoples existing under other imperial governments and were determined to revive Ukrainian linguistic and cultural traditions and reestablish a Ukrainian state. Taras Shevchenko (1814-1861), national hero of Ukraine, presented the intellectual maturity of the Ukrainian language and culture through his work as a poet and artist.



In 1917 the Central Rada proclaimed Ukrainian autonomy and in 1918 the Ukrainian National Republic declared independence under President Mykhaylo Hrushevsky.

In 1921 Ukraine was officially incorporated into the Soviet Union.

During World War II, Kiev again was heavily damaged. Kiev was liberated on November 6, 1943, by Soviet troops. After World War II Ukraine functioned as one of the 15 Soviet Republics. The 1980's were marked by increasing political weakness of Soviet leadership.

On July 6, 1990, the legislature proclaimed Ukraine's sovereignty. In August 1991 the Declaration of Independence was adopted by the Verhovna Rada (Parliament) on August 24. On December 1, in a nationwide referendum, 93% of Ukraine's citizens voted for an independent Ukraine and chose Leonid Krawchuk as their first democratically elected President. Following the Orange Revolution, on December 26, 2004, after two rounds of falsified elections, Viktor Yushchenko was elected President of Ukraine. In 2013 and 2014 a wave of demonstrations swept across Ukraine when President Yanukovych rejected an association treaty with the EU.

## **Tourism.**

Ukraine attracts more than 20 million foreign citizens every year. The country's tourism industry provides crucial support for Ukraine's economy. The country is the 8th most popular tourism destination in Europe. It has mountain ranges - the Carpathian Mountains suitable for skiing, hiking, fishing and hunting. The coastline on the Black



Sea is a popular summer destination for vacationers. Ukraine has vineyards where they produce native wines, ruins of ancient castles, historical parks, Orthodox, Catholic and Protestant churches as well as a few mosques and synagogues. Kyiv, the country's capital city has many unique structures such as Saint Sophia Cathedral and others. There are other cities well-known to tourists such as the harbour town Odesa and the old city of Lviv and many many others.



### **Some information about Uman.**

Uman is situated in Cherkasy Oblast (region) in the central part of Ukraine. Located in the historical region of the eastern Podillia, the city rests on the banks of the Umanka River and serves as the self-governing administrative center of the Uman Raion (district).



The town was founded in 1616. From 1670–1674, Uman was a residence to the Hetman of right-bank Ukraine. Under the ownership of the Potocki family of Polish nobles (1726–1832) Uman grew in economic and cultural importance. A Basilian monastery and school were established in this time.

With the 1793 Third Partition of Poland, Uman became part of the Russian Empire and a number of aristocratic residences were built there.

Into the 20th century, Uman was linked by rail to Kiev and Odessa, leading to rapid development of its industrial sector.

Uman was occupied by German forces from August 1, 1941 to March 10, 1944.

Today the town has optical and farm-machinery plants, a cannery, a brewery, a vitamin factory, a sewing factory, a footwear factory, and other industrial enterprises.



The main architectural monuments are the catacombs of the old fortress, the Basilian monastery (1764), the city hall (1780–2), the Dormition Roman Catholic church in the Classicist style (1826), and 19th-century trading stalls.

The population of Uman is around 87 thousand people.

Uman's landmark is the National Dendrological Park "Sofiyivka," an unquestioned masterpiece of the garden art and an amazing natural treasure. The Sofiyivsky Park, with its marvellous landscapes, fairytale grottoes, mirror-like ponds, and fantastic





sculptures, is consistently mentioned as one of the most beautiful parks in the world, along with the famous parks of Versailles, Potsdam and Florence. "Sofiyivka" was named by enthusiastic visitors 'a temple of the nature,' and one of the most charming places of Ukraine.

The park was planned in 1796 by Uman's governor at the time, the Polish Count Stanisław Potocki, who decided to present this unique gift to his adoring wife. Wishing to present to his young spouse a wonderful park, which would be as beautiful and luxurious as the best parks of Europe, the count invited the best architects to Uman. After six years, on almost barren land divided by gullies and canyons, a real miracle appeared! Exotic trees and majestic rocks, marvelous waterfalls and amazing fountains, silent lakes and "medieval" bridges stretched over them, antique statues and mysterious caves – all of these fit harmoniously into surrounding landscape and create a unique atmosphere of cordiality, tenderness and comfort.

"Sofiyivka" is often called 'a stone poem,' because, according to the architect's plan, each composition and sculpture alludes to myths and legends of Ancient Greece. The park itself is a living illustration of Homer's epic poems "The Odyssey" and "The Iliad".



## **SECTION II. USEFUL INFORMATION FOR INCOMING ERASMUS STUDENTS**

### **Transport**

Uman lies 212 km from Kyiv (the Capital of Ukraine) and 187 km from Cherkasy (the administrative centre of Cherkasy oblast). The international highway Kyiv – Odesa runs near Uman.

The railway station Uman is the final station. The next one is in Khrestynivka.

So, you can come to Uman by bus or by railway. You can also take a taxi to Uman.

For information:

Central bus Station (Kyiv)

Tel.: (+38) 044 527-99-86

<http://www.avtovokzal.kiev.ua>

Bus Station Uman

Tel.: (+380) 4744 3-62-45

### **Dwelling:**

There are 6 hostels and a hotel in Uman National University of Horticulture.

The Map of the Campus of Uman National University of Horticulture

<http://www.udau.edu.ua/ua/about/studentske-mistechko/karta-mistechka.html>

Hostels:

<http://www.udau.edu.ua/ua/departments/sfera-obslugovuvannya/gurtozhitki.html>

Hotel:

Tel.: (+38) 04744 3 24 46

### **Banks:**

The last changes in the rules of currency buying and selling in Ukraine are possible to be followed on the official site of the National Bank of Ukraine:

<http://www.bank.gov.ua>

There are many banks in Uman. Working hours are usually between 8.00 a.m. and 17.00 p.m. but it depends on the definite bank. Banks are not normally open on Saturdays. There are also a large number of ATMs around the town, where money can be withdrawn at any time of the day.

## **What should you do before arriving in Uman?**

### **Accommodation**

Exchange students may apply for accommodation in the university's dormitories. There is an "Accommodation" section in the Application form where students can indicate their needs regarding accommodation.

Rooms are equipped with essential furniture – a bed, table, chair and a small wardrobe.

It is the students' responsibility to clean their rooms, the toilet, shower and other areas that they have access to. It is also the students' responsibility to buy their own cleaning materials.

We always try to have our rooms ready for our exchange students before their arrival. To ensure our success, please be kind enough to inform our ERASMUS office about the exact date and time of your arrival at least three weeks before.

### **Health insurance**

All foreign students coming to Ukraine should have health insurance from the company, that have contracts of cooperation signed with the Ukrainian insurance companies.

For more information concerning health insurance, please, visit:

<http://zakon2.rada.gov.ua/laws/show/121-2014-%D0%BF#n10>

### **Visa**

For getting an entrance visa it is necessary to appeal to the Consular Representative Office of Ukraine in the country with a corresponding statement and the necessary documents. Additional documents for your visa and visa fees find at Ukrainian Embassy/Consulate for your country:

<http://mfa.gov.ua/en/about-mfa/abroad/embassies>

For more information regarding visas, visit the following sites, please:

<http://mfa.gov.ua/en/consular-affairs/entering-ukraine/visa-requirements-for-foreigners>

## **What should you do after arriving in Uman?**

After sorting out accommodation and arriving in Uman, every student should go to the Department of International Relations of Uman National University of Horticulture in order to obtain additional information.

Department of International Relations  
Uman National University of Horticulture  
Instytutska Street 1  
Uman  
20305 Ukraine  
Tel.: (+38) 04744 3 33 28  
Fax.: (+38) 04744 3 33 28

E-mail: [vryb4ak@gmail.com](mailto:vryb4ak@gmail.com), [department.fr@udau.edu.ua](mailto:department.fr@udau.edu.ua)

Contact persons: Vitalii Rybchak

**Emergency telephones:**

Emergency medical care: 103

Fire brigade: 101

Police: 102



## SECTION III. INFORMATION ABOUT THE UNIVERSITY

### Profile

Uman National University of Horticulture is a renowned agricultural educational institution with rich traditions, unique history and a desire to conquer new heights and to be one of the best agricultural higher educational institutions of the country.



Since the establishment of the educational institution the agriculture has received more than 40 thousand highly qualified specialists, including 32 academicians, 700 Doctors of Sciences and more than two thousand Candidates of Sciences.

Now more than 6000 students study at six faculties. There are 13 under-graduate degree programs and 19 specialties in the university. 322 members of the teaching staff, including 29 Doctors, 32 Professors, 150 Associate Professors and 227 Candidates of Sciences conduct educational process. The Institute for Post-diploma Education and Consulting provides retraining of specialists and consultation services to agricultural producers.

The university has a post-graduate course (18 majors) and the institution for doctoral candidacy (7 majors), three specialized academic councils for doctoral and candidate's thesis defense.

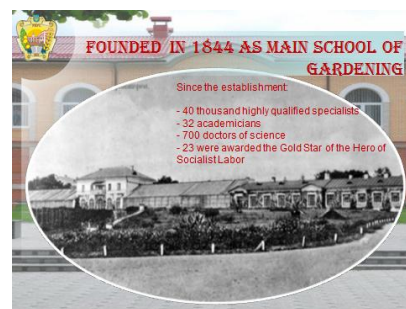


Uman National University of Horticulture is a regular participant of international, national, regional and local exhibitions of scientific and educational achievements.

The university takes an active part in different national and international projects, having partner – universities in Ukraine and abroad.

### The History of the University

Uman National University of Horticulture was founded in 1844 in Odessa as the Main School of Horticulture, the task of which was to prepare highly skilled gardeners and experienced researchers in the field of horticulture. At that time it was the only supreme institution in the country of this direction. Over a long period of its historical development, the institution was repeatedly reorganized and according to the Decree of the President of Ukraine of 28 December 2009 it was granted the status of national and renamed into Uman National University of Horticulture.



In order to improve the quality of training specialists for agriculture on the basis of our university the Regional University Center was founded. It combines six

educational establishments of I-II levels of accreditation in Cherkassy region. Now over 13 thousand students are studying at the Center.

In order to unite the scientific potential of the region, to coordinate research work and to improve practical training of students Training Scientific and Production Complex was created. It consists of the Institute of pomology named after L.Symyrenko of NAASU, Institute of root crops of NAASU, National dendrological park "Sofiyivka" of NASU, Uman Greenhouse, SC "Uman forestry", JSC "Umanfermmash", SC "Illich-Agro-Uman," the best agricultural enterprises in the region, as well as Training Scientific and Production Department of the university, which has 1060 hectares of land, experimental fields, experimental orchards, experimental vegetable plots, forest, nursery, greenhouses, hothouse complex, refrigerator with modern facilities for the storage of fruit, production departments for processing fruit, vegetables and grain.



Over the years of intensive and purposeful work of the university administration and staff Uman National University of Horticulture made a successful breakthrough and became one of the leaders of agrarian education and science of Ukraine and was given many awards.

### **Partnerships**

Uman National University of Horticulture has partner universities in Poland, Bulgaria, Russian Federation, USA, France, Denmark, Czech Republic, China, Belarus, Mongolia, Moldova, Thailand, Germany.

The university is a partner university taking part in such programs as Tempus and Erasmus+.

### **The European Credit Transfer System (ECTS)**

ECTS is a system for the commensurability and comparison between educational mechanisms in different universities and countries that participate in international academic exchange.

“Credit” in the ECTS context represents a unit of work that the student must complete in connection with his/her education in a specific subject in order to successfully complete a semester or an academic year. Most frequently, credits represent the time spent by the student for the preparation of a given discipline, attendance at lectures and self-study assignments.

“The Grade” represents an index of student achievement when sitting an examination or implementing a concrete task, where different assessment systems are applied within different member states within the framework of the European Union. All of them are equated to ECTS standards, in this way securing equal representation amongst students from different European countries.

The marks awarded in Uman National University of Horticulture are on the scale between 2 – 5. They correspond with the grades F - A (see

<http://www.udau.edu.ua/en/for-students/rating-scale.html>). If the grade is below 3, the student is not allowed to pass the final exam. A certain number of credits are awarded for each examination.

Ensuring the eligibility of educational subjects and interdisciplinary subjects (the study of other faculty disciplines) are among the basic principles of the system.

The principle applying to the ECTS framework is that there is a minimum requirement of the accumulation of 60 credits per academic year or 30 for each semester.

## ERASMUS PROGRAMME

### Key Data about the Institution

Full Legal Name of the Institution	Uman National University of Horticulture
ERASMUS ID Code	(PIC Number) 934156561
Title/Name of the Rector	Prof. Olena Nepochatenko
Address	Instytutska Str. 1
Town, Postcode	Uman - 20305
Country	Ukraine
Tel. (incl.country code)	(+38) 04744 3 20 11
Fax. (incl.country code)	(+38) 04744 3 20 41
Web site	<a href="http://www.udau.edu.ua">http://www.udau.edu.ua</a>

### Key Data about the ERASMUS Office

ERASMUS Office	Department of International Relations
Chief	Vitalii Rybchak,
Address	Instytutska Str. 1
Town, Postcode	Uman - 20305
Country	Ukraine
Tel. (incl.country code)	(+38) 04744 3 33 28
Fax. (incl.country code)	(+38) 04744 3 33 28
E-mail	<a href="mailto:vryb4ak@gmail.com">vryb4ak@gmail.com</a> <a href="mailto:department.fr@udau.edu.ua">department.fr@udau.edu.ua</a>

## **The Academic Management Team**

### **Rector**

Professor, Doctor of Sciences  
Olena Nepochatenko  
Tel.: (+38) 04744 3 20 11  
E-mail: [rector.unus@gmail.com](mailto:rector.unus@gmail.com)

### **First Vice-Rector**

Associate Professor of the Department of Plant Quarantine and Protection,  
Candidate of Agricultural Sciences  
Ivan Mostov'yak  
Tel.: (+38) 04744 4-69-69  
E-mail: [udau@udau.edu.ua](mailto:udau@udau.edu.ua)

### **Vice-Rector on Scientific and Pedagogical Work**

Associate Professor, Candidate of Economic Sciences  
Mykhailo Maliiovanyi  
E-mail: [vicerektor2@udau.edu.ua](mailto:vicerektor2@udau.edu.ua)

### **Vice-Rector on Scientific and Innovation Activity**

Professor, Doctor of Agricultural Sciences  
Viktor Karpenko  
Tel.: (+38) 04744 4-69-81  
E-mail: [vicerektor.sci@udau.edu.ua](mailto:vicerektor.sci@udau.edu.ua), [udau@udau.edu.ua](mailto:udau@udau.edu.ua)

### **Contact Information**

Uman National University of Horticulture  
Instytutska Str. 1  
20305 Uman  
Ukraine  
Tel.: (+38) 04744 3 20 11  
<http://www.udau.edu.ua>



## Faculties of Uman National University of Horticulture

### Faculty of Economics and Entrepreneurship



#### Dean:

Prof. Yuliya Nesterchuk,

Doctor of Economic Sciences

Building № 4, 1<sup>st</sup> floor, Room 203

Tel.: +(38) 04744 3-14-03

E-mail: [economics@udau.edu.ua](mailto:economics@udau.edu.ua), [econodekanat@rambler.ru](mailto:econodekanat@rambler.ru)

#### Secretary:

Olha Muzyka

Building № 4, 1<sup>st</sup> floor

Tel.: +(38) 04744 3-14-03

E-mail: [economics@udau.edu.ua](mailto:economics@udau.edu.ua), [econodekanat@rambler.ru](mailto:econodekanat@rambler.ru)

#### ERASMUS Coordinator

Olena Prokopchuk

Candidate of Economic Sciences

Senior Lecturer of the Department of Finance, Banking and Insurance

Tel.: (+38) 0982453895

E-mail: [olena\\_prokopchuk@ukr.net](mailto:olena_prokopchuk@ukr.net)

#### Departments:

The Department of Enterprise, Trade and Exchange Activity

The Department of Economics

The Department of Marketing

The Department of Accounting and Taxation

The Department of Finance, Banking and Insurance

The Department of Economic Cybernetics and Information Systems

#### Specialties:

Accounting and Taxation

Finance, Banking and Insurance

Economics

Marketing

Enterprise, Trade and Exchange Activity

### Faculty of Management

#### Dean:

Nataliya Vernyuk,

Associate Professor,



Candidate of Economic Sciences,  
Building № 4, 1<sup>st</sup> floor  
Tel.: +(38) 04744 3 24 45  
E-mail: [mdekanat@i.ua](mailto:mdekanat@i.ua)

**Secretary:**

Iryna Teliuk  
Building № 4, 1<sup>st</sup> floor  
Tel.: +(38) 04744 3 24 45  
E-mail: [mdekanat@i.ua](mailto:mdekanat@i.ua)

**Departments:**

Department of Ukrainian and Foreign Languages  
Department of Management of Foreign Economic Activity  
Department of Management of Organizations  
Department of Social and Human Sciences and Law  
Department of Tourism, hotel and Restaurant Business

**Specialties:**

Management of Organization and Administration;  
Management of Foreign Economic Activity;  
Tourism  
Hotel and Restaurant Business

**Faculty of Agronomy**

**Dean:**

Prof. Serhii Poltoretskyi,  
Doctor of Agricultural Sciences,  
Building № 1, 1<sup>st</sup> floor  
Tel.: +(38) 04744 3 80 06  
E-mail: [poltorec@ukr.net](mailto:poltorec@ukr.net)



**Secretary:**

Oksana Taranenko  
Building № 1, 1<sup>st</sup> floor  
Tel.: +(38) 04744 3 80 06  
E-mail: [agro.unus@ukr.net](mailto:agro.unus@ukr.net)

**ERASMUS Coordinator**

Iryna Diordiieva  
Candidate of Agricultural Sciences  
Lecturer of the Department of Genetics, Plant Breeding and Biotechnology  
Tel.: (+38) 0962054370

E-mail: [diordieva201443@gmail.com](mailto:diordieva201443@gmail.com)

**Departments:**

Department of Agricultural Chemistry and Soil Science  
Department of Genetics, Plant Breeding and Biotechnology  
Department of General Agriculture  
Department of Crop production

**Specialties:**

Specialty «Agronomy»:

Specializations: «Expert soil rating», «Breeding and genetics of agricultural crops», «Seed breeding and seed studies»

**Faculty of Horticulture, Ecology and Plant Protection**

**Dean:**

Sergiy Shchetyna  
Candidate of Agricultural Sciences  
Assistant Professor  
Building № 1, 1<sup>st</sup> floor, Room 49  
Tel.: +(38) 04744 3 40 77  
E-mail: [plodo@gmail.com](mailto:plodo@gmail.com)



**Secretary:**

Liudmyla Kravchenko  
Building № 1, 1<sup>st</sup> floor  
Tel.: +(38) 04744 3 40 77  
E-mail: [plodo@gmail.com](mailto:plodo@gmail.com)

**ERASMUS Coordinator**

Lyudmyla Slobodyanyk  
Candidate of Agricultural Sciences  
Senior Lecturer of the Department of Fruit Growing and Viticulture  
Tel.: (+38) 04744 32326  
E-mail: [lyuda.slobodyanyk@gmail.com](mailto:lyuda.slobodyanyk@gmail.com)

**Departments:**

The Department of Fruit Growing and Viticulture  
The Department of Vegetable Growing  
The Department of Plant Protection and Quarantine  
The Department of Ecology and Life Safely  
The Department of Microbiology, Biochemistry and Plant Physiology

**Specialties:**

Horticulture and viticulture  
Ecology  
Plant Protection  
Environmental Protection Technology

**Faculty of Engineering and Technology****Dean:**

Oleksandr Pushka  
Candidate of Technical Sciences  
Associate Professor  
Building № 10, 2<sup>nd</sup> floor  
Tel.: +(38) 04744 3 44 61  
E-mail: [pushka79@yandex.ru](mailto:pushka79@yandex.ru)

**Secretary:**

Katerina Bershadska  
Building № 10, 2<sup>nd</sup> floor  
Tel.: +(38) 04744 3 44 61  
E-mail: [faculty.foodtechn@udau.edu.ua](mailto:faculty.foodtechn@udau.edu.ua)

**ERASMUS Coordinator**

Olga Drozd  
Candidate of Agricultural Sciences  
Tel.: (+38) 0664886429  
E-mail: [olga.drozd@ukr.net](mailto:olga.drozd@ukr.net)

**Departments:**

The Department of Mathematics and Physics  
The Department of Processes, Machinery and Equipment of Agroindustrial Production  
The Department of Applied Engineering and Labour Safety  
The Department of Technology of Storage and Processing of Fruits and Vegetables  
The Department of Technology of Storage and Processing of Grain

**Specialties:**

1. Food technology:
  - Technology of Storage and Processing of Fruits and Vegetables;
  - Technology of Storage and Processing of Grain;
2. Processes, Machinery and Equipment of Agroindustrial Production

## **Faculty of Forestry and Landscape Gardening**



### **Dean:**

Roman Yakovenko  
Candidate of Agricultural Sciences  
Associate Professor  
Building № 10, 2<sup>nd</sup> floor, Room 408  
Tel.: +(38) 04744 3 44 39  
E-mail: [lisove\\_sad@ukr.net](mailto:lisove_sad@ukr.net)

### **Secretary:**

Oksana Chapuryna  
Building № 10, 2<sup>nd</sup> floor, Room 408  
Tel.: +(38) 04744 3 44 39  
E-mail: [lisove\\_sad@ukr.net](mailto:lisove_sad@ukr.net)

### **ERASMUS Coordinator**

Irina Udovenko  
Candidate of Economic Sciences  
Associate Professor  
Tel.: (+38) 0679283272  
E-mail: [udovenkotest@ex.ua](mailto:udovenkotest@ex.ua)

### **Departments:**

The Department of Forestry,  
The Department of Landscape Gardening,  
The Department of Geodesy, Cartography and Cadastre,  
The Department of Physical Education and Psycho - Pedagogical Disciplines

### **Specialties:**

Landscape Gardening  
Forestry  
Geodesy and Land Management

## **Institute of Post - Diploma Education and Extension Services**

### **Director:**

Nataliia Petrenko  
Candidate of Economic Sciences  
Associate Professor

Building № 4, 1<sup>st</sup> floor  
Tel.: +(38) 04744 3 44 63  
E-mail: [3938732@gmail.com](mailto:3938732@gmail.com)



## **Scientific Library**

**Director:**

Svitlana Nyzhnyk

Administrative Building, 1<sup>st</sup> floor

Tel.: +(38) 04744 3 56 13

E-mail: [cvetn@meta.ua](mailto:cvetn@meta.ua)

## **SECTION IV. SUBJECTS TAUGHT IN AN ALTERNATIVE LANGUAGE (NOT IN UKRAINIAN)**

For further information concerning the following subjects, contact the lecturer responsible.

### **Faculty of Economics and Entrepreneurship**

#### **FINANCIAL MANAGEMENT**

**ECTS Credits:** 6

**Weekly Classes:** 1 lecture + 1 seminar

**Type of Exam:** Examination

**Department involved:**

Department of Finance, Banking and Insurance

Faculty of Economics and Entrepreneurship

**Lecturer:**

Oksana Kiforenko, PhD

[o.kiforenko\\_1@ukr.net](mailto:o.kiforenko_1@ukr.net)

**Abstract:**

The course is the basis for understanding the meaning of financial management, that is planning, organizing, directing and controlling the financial activities such as procurement and utilization of funds of the enterprise. The course is aimed at studying how to apply general management principles to financial resources of the enterprise.

**Course content:**

Scope of Financial Management, Time Value of Money, Meaning of Changes in Financial Position, Financial Statements Analysis, Capital Budgeting, Concept and Measurement of Cost of Capital, Theory of Working Capital Management, Management of Cash, Inventory Management.

# INTERNATIONAL ECONOMICS

**ECTS Credits:** 6

**Weekly Classes:** 2 lectures + 1,5 seminar

**Type of Exam:** Examination

**Department involved:**

Department of Economics

Faculty of Economics and Entrepreneurship

**Lecturer:**

Oksana Kiforenko, PhD

[o.kiforenko\\_1@ukr.net](mailto:o.kiforenko_1@ukr.net)

**Abstract:**

The course is aimed at stressing main economical concepts and their application. The material is presented as a method of analysis vitally linked to events in the world economy. The subject covers the most important recent developments in international economics as well as the enduring theoretical and historical insights. It is also stressed how recent theories have evolved from earlier findings in response to an evolving world economy.

**Course content:**

International Policy Market, International Trade Theory, Labour Productivity, Income Distribution, A Model of a Two – Factor Economy, the Standard Trade Model, International Location of Production, Firms in the Global Economy, the Instruments of Trade Policy, the Political Economy of Trade Policy, Trade Policy in Developing Countries, Controversies in Trade Policy.

# INVESTMENTS

**ECTS Credits:** 4

**Weekly Classes:** 1 lecture + 1 seminar

**Type of Exam:** Examination

**Department involved:**

Department of Marketing

Faculty of Economics and Entrepreneurship

**Lecturer:**

Yuriy Tsymbalyuk, PhD

[y.tsymbalyuk76@gmail.com](mailto:y.tsymbalyuk76@gmail.com)

**Abstract:**

The course is devoted to the system of accumulation and use of investment resources both in real and financial sectors of economy. The course is aimed at studying the basic economic, organizational and legislative aspects of investing processes and business relationships in the investments area.

**Course content:**

The economic concept of investments. Investment market and its infrastructure. Investment project, its financing and insurance. Foreign investments. Innovations. Stock market and its structure. The principles of investment portfolio forming. Procedure for financial investments. Investment climate forming factors. The mechanism of investment regulation. Special economic zones.

# MANAGEMENT OF WHOLESALE AND RETAIL TRADE

**ECTS Credits:** 6

**Weekly Classes:** 1 lecture + 1 seminar

**Type of Exam:** Examination

**Department involved:**

Department of Entrepreneurship, trade and exchange activity

Faculty of Economics and Entrepreneurship

**Lecturer:**

Oleksandr Nepochatenko, PhD

nepochatenko2@gmail.com

**Abstract:**

The course provides students special theoretical knowledge on management, organization and technology of trade and the acquisition of skills of their practical solutions to commercial enterprises in modern conditions of managing.

**Course content:**

Organizational models in the trading system; The organization of wholesale trade; Organization of wholesale purchases of goods and their documentation; The organization of wholesale sales of goods; Organization of goods delivery to wholesale buyers; Concept, composition and structure of entities in the system retailers; The organization retail network. Organization of sales of goods in stores; Merchandising; Forms of sale in retail stores. Special forms of goods sales; The system of trading services; The formation of a system of trading service in the market of goods and services; Regulation and control of activity of the enterprises in the sphere of trade.



# ACCOUNTANCE

**ECTS credits:** 5

**Weekly classes:** 1 lecture+1 seminar.

**Type of exam:** Written Examination.

**Departments involved:**

Accountancy and Taxation Department.

Faculty of Economics and Entrepreneurship.

**Lecturer:**

Assoc. prof. Valentyn Bobko, PhD.

e-mail: [bvalentyn@gmail.com](mailto:bvalentyn@gmail.com)

**Abstract:**

Course objective: formation of students' theoretical knowledge and practical skills in accounting. Providing a systematic and full understanding of the mechanisms, basic principles and rules of accounting.

**Course content:**

Accounting, its essence and value; revenue recognition, inventory, long-lived assets, present value, and long term liabilities, balance sheet; system of accounts; the display of business transactions in accounts; accounting registers, technique and forms of accounting; basics of accounting (financial statements); methodology of the business processes' accounting; basics of accounting.

## **INTERNATIONAL STANDARDS OF ACCOUNTANCY: IFRS AND IAS**

ECTS credits: 4

Weekly classes: 1 lecture + 1 seminar.

**Type of exam:** test.

**Departments involved:**

Accountancy and taxation department

Faculty of Economics and Entrepreneurship.

**Lecturer:**

Assoc. prof. Valentyn Bobko, PhD.

e-mail: [bvalentyn@gmail.com](mailto:bvalentyn@gmail.com)

**Abstract:**

Course objective: formation of students' theoretical knowledge and practical skills in the international accounting standards. Providing of a systematic and full understanding of the mechanisms, basic principles and rules of accounting using international standards.

**Course content:**

Accounting according to international standards, its essence and value; the organizational structure of the international accounting standards (IAS); IFRS' conceptual framework; structure and format of financial statements under IFRS. The basic approaches and rules of revenue recognition, recognition of expenses: write-off and capitalization criteria. The recognition and evaluation of assets: fixed assets, immaterial assets, debt and reserves. The recognition and evaluation of liabilities and equity, accounting in agriculture, Income taxes.

## **COMPUTER SCIENCES**

**ECTS Credits: 6**

**Weekly classes:** 1 lectures +2 seminars

**Type of exam:** Examination

**Department involved:**

Department of Economic Cybernetics and Information Systems

Faculty of Economics & Entrepreneurship

**Lecturer (s):**

Mykhailo Kyslytsia, lecturer

Email: shamrock2008@ukr.net

**Abstract:**

The course is dedicated to the theory, design and use of computers. It gives basic theoretical and practical approaches to computation and application of computers in various spheres of the contemporary life. The course is also aimed to give a backgrounds in the computer elements and architecture, the information and coding theory and the computer software.

**Course content:**

History of computer science, computer architecture, computer usage, software, algorithms and data structures, computer security, programming languages, computer networks, informational resources of society.

## **INFORMATION SYSTEMS AND TECHNOLOGIES IN FINANCES**

**ECTS Credits:** 6

**Weekly classes:** 1 lectures + 1 seminars

**Type of exam:** Examination

**Department involved:**

Department of Economic Cybernetics and Information Systems

Faculty of Economics & Entrepreneurship

**Lecturer (s):**

Mykhailo Kyslytsia, lecturer

Email: shamrock2008@ukr.net

**Abstract:**

The course is dedicated to the structure, organization and exploitation of modern information systems and technologies (IST) in the financial sphere. It gives basic theoretical and practical approaches to information systems and technologies with a reference to information and the complementary networks of hardware and software that are used to collect, filter, process, create and distribute financial information.

**Course content:**

History of information systems and technologies, basic principles and concepts of IST, IST in the sphere of finances, the role of IST in the financial management, decision-making and support of business processes, theoretical foundations of (relational) data bases, IST in financial organizations of Ukraine, decision support systems, payment systems.

## **ECONOMIC THEORY**

**ECTS Credits:** 8

**Weekly classes:** 1 lecture + 1 seminar

**Type of exam:** Examination

**Department involved:**

Department of Economic

Faculty Management

**Lecturer:**

Natalia Kotvytska, PhD

nakot@i.ua

**Abstract:**

The course reviews the main issues of economic theory – general principles of the socio-economic development of the society, commodity production and market economics, theoretical foundations of micro- and macroeconomics, world economy and international economic relations.

**Course content:**

Main directions of the development of the world economic thought. The process of social production. Economic needs and economic interests of the society. The economic system of the society. Theory of goods and money. Market, competition and monopoly. Capital and revenue. Entities of the market economy. The modern world economy.



## **Information Systems and Technologies in Management of Organization**

**ECTS Credits: 2**

**Weekly Classes:** 0.5 lecture + 0.5 seminar

**Type of Exam:** Test

**Department involved:**

Department of Economical Cybernetics and Information Systems

Faculty of Economics and Entrepreneurship

**Lecturer:** Borys Marin

[infosys@i.ua](mailto:infosys@i.ua)

**Abstract:**

The main goal of the course is to provide students with theoretical background and practical skills of computer simulation and optimization methods usage in the information systems of management decision making. All models built and solved in the environment of two add-ins in MS Excel: Solver and Oracle Crystal Ball.

**Course content:**

- Statistical methods of data processing.
- Computer simulation as the method of decision-making. Method Monte-Carlo.
- Specialized software for simulation tasks solving.
- Financial management automation. Optimization of enterprise deposit politics.

Optimization of investment program.

- Logistics activity automation. Wilson model for storage optimization task.

Storage optimization tasks under violations of Wilson conditions.

- Human resource management automation. Optimization of staff number.

Optimization of working schedules.

## **Management information systems**

**ECTS Credits:** 2

**Weekly Classes:** 0.5 lecture + 0.5 seminar

**Type of Exam:** Test

**Department involved:**

Department of Economical Cybernetics and Information Systems

Faculty of Economics and Entrepreneurship

**Lecturer:** Borys Marin

[infosys@i.ua](mailto:infosys@i.ua)

**Abstract:**

The main goal of the course is to provide students with theoretical background and practical skills of projection and building management information systems (MIS) in the environment of MS Access database system. Students will study basics of programming to add functionality to their database by using Access macros or Visual Basic for Applications (VBA) code.

**Course content:**

- Basic principles of design, development and implementation of enterprise management systems.
- Exploring and description of enterprise management real information needs.
- Data modeling: entity-relation model;
- Building database objects in Access environment: tables, relations, queries, forms and reports.
- Macros and macro editor
- Basics of VBA and its using for database objects automation.
- The use of VBA for functionality enhancement built MIS.

**Faculty of Agronomy**

**SPECIAL PLANT BREEDING AND SEED PRODUCTION OF  
AGRICULTURAL CROPS**

**ECTS Credits: 4**

**Weekly classes: 1 lectures + 1 seminars**

**Type of exam: Examination**

**Department involved:**

Department of genetics, plant breeding and biotechnology

Faculty of Agronomy

**Lecturer (s):**

Iryna Diordieva, PhD

E-mail: diordieva2011@mail.ru

**Abstract:** The course is the basis for understanding the process of creation and selection of new genotypes, topical directions, objectives, methods of breeding and improvement of selection process of major field crops, and providing optimal conditions for seed growing.

**Course content:**

Breeding and seed production of winter wheat, Breeding and seed production of winter rye and triticale, Breeding and seed production of corn, Breeding and seed production of winter rye, Breeding and seed production of sunflower, Breeding and seed production of soybean and pea, Breeding and seed production of sugar beet.

## **PLANT BREEDING AND SEED PRODUCTION**

**ECTS Credits:** 4

**Weekly classes:** 1 lectures + 1 seminars

**Type of exam:** Examination

**Department involved:**

Department of genetics, plant breeding and biotechnology

Faculty of Agronomy

**Lecturer (s):**

Yaroslav Riabovol, PhD

Email: genetika2015@udau.edu.ua

**Abstract:** The course is the basis for understanding the planning and conducting of selection process from the creation of new varieties and hybrids of field crops that are response to the requirements of modern agricultural production.

**Course content:**

Hybridization as method of creation of initial material, Using of experimental mutagenesis and polyploidy in plant breeding, Heterosis and his using in plant breeding, Methods of selection in plant breeding, Methods of evaluation of initial material, Organization of selection process, Organization of industrial seed production, Production of elite seeds in breeding institution, Production of reproduction seeds in special seed breeding farms.

## **GENERAL AGRICULTURE**

**ECTS Credits:** 4

**Weekly Classes:** 1 lecture + 1 seminar

**Type of Exam:** Examination

**Department involved:**

Department of General Agriculture

Faculty of Agronomy

**Lecturer:**

Yuriy Nakloka, PhD

[nakloka @ukr.net](mailto:nakloka@ukr.net)

**Abstract:**

The course allows you to master the theoretical basis of agriculture, which includes sections such as the scientific basis of agriculture, crop rotation, tillage and erosion control measures and farming systems.

**Course content:**

Agriculture as a science of rational use of land, increasing soil fertility and protecting it from degradation. Subject and methods research in agriculture. Communications soil and plants and soil protection crops from harmful biological and anthropogenic factors. The role of local scientists in the development of agriculture.

## SOIL SCIENCE

**ECTS Credits:** 1

**Weekly Classes:** 0,5 lecture + 0,5 seminar

**Type of Exam:** Test

**Department involved:**

Department of agro chemistry and soil sciences

Faculty of agronomy

**Lecturer(s):**

Serhii Prokopchuk, PhD, Iryna Rassadina, PhD

sergsi\_1987@mail.ru

**Abstract:** Soil Science as a scientific discipline prominently in shaping the professional knowledge and skills of future engineers and surveyors. This object is read after 2 homu course and many of its sections and laboratory practice prior to teaching purely specific professional disciplines: landscape, land management, environmental monitoring, land cadastre.

**Course content:** Origin and mineral composition of the soil; The origin, composition, properties, Agronomic importance of soil organic; Soil colloids. The nutrient profile. Soil fertility; Absorbing capacity of soils. The soil solution and oxidation-reduction reaction; The structure of the soil and its agronomic value; Physical parameters and physical properties of soil. Air properties and air regime of soil; Thermal properties and thermal regime of the soil. Water features and water regime of soil.

## **Crop Production**

**ECTS Credits: 6**

**Weekly classes:** 1 lecture + 1 seminar

**Type of exam:** Examination

**Department involved:**

Department of Crop Production

Faculty of Agronomy

**Lecturer (s):**

Sergiy Poltoretskyi, Doctor of Agricultural Sciences, Professor

Email: poltorec@yandex.ua

**Abstract:**

The purpose of discipline is formation of the students' knowledge and practical skills in obtaining guaranteed high yields of agricultural crops with high quality of products and the lowest cost of its production.

**Course content:**

The technology of winter wheat growing; The technology of barley growing; The technology of corn growing кукурудзи; The technology of soybean growing; The technology of ripe growing; The technology of sunflower growing.



## **Faculty of Horticulture, Ecology and Plant Protection**

### **Agricultural Entomology**

ESTS credits : 4.5

**Weekly classes:** 2 lectures +2 workshops

**Type of exam:** exam

**Department involved:**

Department of Plant Protection and Quarantine

The Faculty of Horticulture, Ecology and Plants Protection

**Lecturer:**

PhD, associate professor of plant protection and quarantine

Svetlana Mostoviak

[s.mostoviak@gmail.com](mailto:s.mostoviak@gmail.com)

**Abstract:**

The main objective of the course Agricultural Entomology:

1. study biology and pest species composition of crops;
2. environmental features and operating conditions of mass breeding centers;
3. identification of signs of plants organ damage;
4. consolidation of knowledge and skills identification;
5. forming the ability to assess the impacts on the entomofauna number;
6. predicting its development in specific weather conditions;
7. planning Plant Protection activities.

**Course content:**

1. Pests of field crops.
2. Pests of fruit and berry crops.
3. Pests of greenhouse plants.
4. Pests of vegetables.
5. Pests of grain and grain products.
6. Main agronomical and organizational arrangements of plant protection.
7. Methods of protection: biological, biotechnical, immunological, microbiological.

## **Agricultural Phytopathology**

ESTS credits : 4.5

**Weekly classes:** 2 lectures +2 workshops

**Type of exam:** exam

**Department involved:**

Department of Plant Protection and Quarantine

The Faculty of Horticulture, Ecology and Plants Protection

**Lecturer:**

PhD, associate professor of plant protection and quarantine

Svetlana Mostoviak

[s.mostoviak@gmail.com](mailto:s.mostoviak@gmail.com)

**Abstract:**

The main objective of the course Agricultural Phytopathology:

1. Infectious and noninfectious diseases.
2. The pathological processes in plants.
3. The study of biological features crops pathogens.
4. Type of display of plant diseases
5. Environmental characteristics and conditions of the cells and the spread of pathogens.
6. Prediction of disease depending on weather conditions.
7. Planning the system of crops protection.

**Course content:**

1. Diseases of cereals.
2. Pests of green houseplants.
3. Diseases of berries
4. Diseases of the greenhouse vegetable and pumpkin crops.
5. Diseases of the vegetables Solanaceae, Cucurbitaceae, Brassicaceae, Apiales families;
6. Planning the measures to protect crops from diseases;
7. Methods of protection: biological, biotechnical, immunological, microbiological.

## **Agricultural Phytopathology**

ESTS credits : 4.5

**Weekly classes:** 2 lectures +2 workshops

**Type of exam:** exam

**Department involved:**

Department of Plant Protection and Quarantine

The Faculty of Horticulture, Ecology and Plants Protection

**Lecturer:**

PhD, associate professor of plant protection and quarantine

Ivan Mostovjak\*

mostovjak@gmail.com

**Abstract:**

The main objective of the course Agricultural Phytopathology:

8. Infectious and noninfectious diseases.
9. The pathological processes in plants.
10. The study of biological features crops pathogens.
11. Type of display of plant diseases
12. Environmental characteristics and conditions of the cells and the spread of pathogens.
13. Prediction of disease depending on weather conditions.
14. Planning the system of crops protection.

**Course content:**

8. Diseases of cereals.
9. Pests of green houseplants.
10. Diseases of berries
11. Diseases of the greenhouse vegetable and pumpkin crops.
12. Diseases of the vegetables Solanaceae, Cucurbitaceae, Brassicaceae, Apiales families;
13. Planning the measures to protect crops from diseases;
14. Methods of protection: biological, biotechnical, immunological, microbiological.

\*Language of instruction Polish

## **Environmental Monitoring**

**Weekly classes:** 1 lectures + 1 seminars

**Type of exam:** Exam

**Department involved:**

Department of Ecology and Life Safety

The Faculty of Horticulture, Ecology and Plants Protection

**Lecturer (s):**

PhD of Agricultural Sciences,  
Associate Professor of Ecology and Life Safety  
Vasylenko Olha Volodymyrivna

Email: olga.volodimirivna@mail.ru

**Abstract:**

The aim of study of discipline is a receipt of knowledge, abilities and practical skills of modern conceptions of environmental monitoring. The task of study of discipline is a receiving base knowledge from principles of creation and functioning of the monitoring system; principles of co-ordination of the normatively-legal and organizationally-methodical providing of compatibility, informative and programmatic hardware of component parts; principles of timeliness and systematic character of supervisions on the state an environment in the zone of action of technogenic objects and receipt, complexity of treatment and use of ecological information that is and kept in the system.

**Course content:**

Basic principles of work with devices of ecological monitoring, that will realize the modern methods of control and analysis of different components of environment. Project and research material in relation to the conduct of cadastres of natural resources, account of objects that harmful influence on a natural environment and estimations of levels them harmful influence. Principles of development of scientifically-reasonable recommendations for realization of nature protection measures.

## **Modern technology of vegetable growing in the ground and in a warmhouse**

**ECTS credits:** 1

**Weekly classes:** 1 lecture + 2 workshops

**Type of exam:** Exam

**Department involved:**

The Department of Vegetable Growing

The Faculty of Horticulture, Ecology and Plants Protection

**Lecturer(s):**

PhD, Associate Professor

Nakloka Olga

OlgaNakloka@ukr.net

**Abstract:**

The main objective of the course is state, trends and prospects of the vegetable growing in the world. Anatomical, morphological and biological characteristics of vegetable plants, their physiology resistance to environmental factors, new technologies of growing high yields of vegetables which are ecologically acceptable and of rare in Ukraine. Determine ways and means to improve product quality and measures to maintain, ways to reduce labor costs and means of production in the cultivation.

**Course content:**

to design, develop and implement advanced technologies of growing vegetables and melons, to carry out biological monitoring of crops and plantations and manage the processes of formation of the crop. To be able to choose the assortment of vegetables under cultivation zones resulting crop. To learn basic methods of marketing in horticulture.

## **Reserve cause**

**ECTS credits: 3**

**Weekly classes:** 1 lecture + 1 workshop

**Type of exam:** test

**Department involved:**

Department of Ecology and Life Safety

The Faculty of Horticulture, Ecology and Plants Protection

**Lecturer(s):**

**Associate Professor Balabak Alla Vasylivna**

**ukhanoffaira@yandex.ru**

**Abstract:**

The primary intent of the course **Reserve cause** — is the acquirement with the theory and practical skills as for the management, planning and conduction of nature conservation activity, so as for humane charge of forest, hunting and horticulture economy, creation of the new areas of natural reserves and formation of inexhaustible eco-network.

Subject aim is to consolidate the knowledge and abilities as for the establishment of the regime of ecosystems and landscapes conservation, management of ecology and enlightenment activity, practical use of ecological, legal and economic basis of objects reserve operating.

**Course content:**

Essential applied aspects of Reserve cause. Ukraine natural systems. Selection criterions and reserve areas classification. Protection and control of the regime on the reserve areas.

## **Faculty of Engineering and Technology**

### **TECHNOLOGY OF CEREAL PRODUCTION**

**ECTS Credits:** 3

**Weekly classes:** 1 lectures + 1 laboratory lesson

**Type of exam:** Examination

**Department involved:**

Department Technology of Storage and Processing of Grain

Faculty of Engineering and Technology

**Lecturer:**

Kateryna Kostetska, PhD

[katarin182@mail.ru](mailto:katarin182@mail.ru)

**Abstract:**

The course is the basis for ensuring necessary level of knowledge of the students to organize the technology of cereal production.

The course is aimed at studying grain properties of cereal crops and the products of its processing, technological processes of preparatory and husking departments of cereal enterprises and the main procedures of grain processing of some crops to cereal.

**Course content:**

General issues of the technology of cereal production; Grain processing of some crops to cereal; Technical-and-economic indexes of technological schemes, principles of automation and operation of technological process; Interchangeable schemes of cereal production; Using of waste of cereal production.

## **TECHNOLOGY OF STORAGE OF FRUITS AND VEGETABLES**

**ECTS Credits:** 3

**Weekly Classes:** 14 lectures + 7 laboratory works

**Type of Exam:** Examination

**Department involved:**

Department of Technology of Storage and Processing of Fruits and Vegetables

Faculty of Engineering and Technology

**Lecturer:**

Irina Zamorska, PhD

zil1976@mail.ru

**Abstract:**

The course is the basis for understanding the meaning of processes occurring in fruits and vegetables during storage and storage of new technologies, mastering practical skills and consolidate the collection, processing and storage of marketable fruits, berries and vegetables.

**Course content:**

Theoretical Foundations storage of fruits and vegetables. Indicators of the degree of ripeness, optimum timing cleaning products. The main physiological and biochemical processes occurring in fruit during storage. Storage Technology potatoes and vegetables. Technology storage of fruits and berries.



## **Food Chemistry**

**Weekly classes:** 18 lectures + 16 laboratory research

**Type of exam:** Examination

**Department involved:**

Department of Technology of Storage and Processing of Fruits and Vegetables

Faculty of Engineering and Technology

**Lecturer (s):**

Kateryna Kalaida , PhD

Email: [k.Kalajda@yandex.ua](mailto:k.Kalajda@yandex.ua)

**Abstract:** The main objective of the Food chemistry course is to train highly qualified professionals with extensive theoretical knowledge, attainment level skills for use in future practice knowledge about the chemical nature of the main substances, take stock of with chemical transformations of major macro and micronutrients, the principles of a healthy lifestyle and methods of health food, chemical and biochemical transformations that take place when storing and using food to decide the main task – assurance population by wholefood.

The task of the course is to help students gain the knowledge of food ingredients, the relationship between them, understand their importance to the human body and learn to use them for future production activities in the field of storage technology, preservation and processing of fruits and vegetables.

**Course content:**

Scope of inorganic chemistry, organic chemistry, analytical chemistry, physical and colloidal chemistry, biochemistry.