



COLLEGE OF APPLIED SCIENCES „LAVOSLAV RUŽIČKA“ IN VUKOVAR



LAVOSLAV (LEOPOLD) RUŽIČKA

(VUKOVAR, September 13th 1887-MAMMERN, SWITZERLAND, September 26th, 1976)

Lavoslav Ružička was born on September 13th 1887 to a wealthy artisan family. Even though of Czech descent, his father was a great patriot which influenced Lavoslav to think of Croatia as his homeland for his entire life and speak fluent Croatian.

Lavoslav attended public school and classical gymnasium in Osijek. In the years from 1906 to 1910, he studied chemistry at the Karlsruhe Institute of Technology (KIT) in Germany, where he attained his doctoral degree under the guidance of Professor Staudinger, founder of macromolecular sciences.

In 1934, Ružička received a lot of attention for publishing a partial synthesis of the male sex hormone androsterone as well as testosterone in the following year. His work on sex hormones elevated his scientific reputation and in 1939 he received the Nobel Prize in chemistry for his work on polymethylenes and higher terpenes. Due to the beginning of WWII, the award was given to him at KIT, and he held the accompanying lecture called "From the Dalmatian Pyrethrum to Sex Hormones" in Zagreb on March 16th 1940 in front of 1000 people. On that occasion he was named an honorary member of the Yugoslav Academy of Science and Arts, as well as an honorary doctor of the Zagreb University. That same year he became an honorary citizen of Vukovar on which occasion he signed his picture with "Vukovarian Lavoslav Ružička, 1940".

He retired in 1957, when he was 70 years old. On that occasion, the Swiss chemical industry established the Ružička Prize for prominent young chemists.

Ružička worked mainly in three fields: multimembered rings, higher terpene compounds and male sex hormones. He worked on and published 583 papers, most of them between 1930 and 1950. During that time he also worked as an editor for several scientific publications. He received numerous rewards and recognitions and is the winner of the Marcel Benoit award (greatest Swiss scientific award), was made laureate of eight honorary doctorates, and was a member of 18 scientific academies, including the Papal Academy. He received 13 different medals and awards.

Lavoslav Ružička died on September 26, 1976 in Mammern on Lake Constance at 89 years of age and was buried in Zurich.

Lavoslav (Leopold) Ružička

Winner of the Nobel Prize in chemistry

*Received the Nobel Prize in chemistry
in 1939 for his work on polymethylenes
and higher terpenes.*

ABOUT THE COLLEGE OF APPLIED SCIENCES "LAVOSLAV RUŽIČKA" IN VUKOVAR



College of Applied Sciences "Lavoslav Ružička" in Vukovar is a higher education institution characterized by a harmonious mixture of tradition and contemporary approach to education of future experts in the fields of economy, law and biomedicine.

Through its work and effort in the field of higher education ever since its establishment in 2005, the College of Applied Sciences "Lavoslav Ružička" in Vukova has become a recognized institution of higher education in the Croatian Danube region. It is characterized not only by the high quality of its educational

and scientific processes, but also by the integration of theory and practice in fields of biomedicine, health, economy, and public administration. Preservation of its reputation and the highest educational standards based on key European values is very important to the College, especially because it was named

after Lavoslav (Leopold) Ružička, a distinguished Croatian chemist and the first Croatian to win the Nobel Prize. College of Applied Sciences "Lavoslav Ružička" in Vukovar is a contemporary higher education institution whose services are based on the experiences of a great number of scientists, teachers and experts

The Jirkovsky Palace of Sofia and Josip Jirkovsky was built in 1873 according to the design of Karl Kaellcseny. The building is designed in the style of Historicism. Originally, it was used as a tavern and inn called "The Black Horse", and was also used as a theater. The palace was later bought by Count Eltz and around 1890 the building received an upgrade of its façade. Throughout history, the building was used as a Levy Measuring Office, Tax Oversight Office as well as the headquarters for Financial Control from 1886, Srijem Financial Administrative Control, the district NOO, and in the end the Teaching and Economy school. Today, it is the building of College of Applied Sciences "Lavoslav Ružička" in Vukovar and is a protected cultural monument of Vukovar.

from the fields of economy, law, biomedicine, and kinesiology. All of them have, throughout the years, not only attained an impressive academic experience, but also a number of relevant skills and expert knowledge through work in local, domestic, and international business and scientific organizations. In order to achieve its mission, the College encourages personal and professional development of its staff, teachers, associates, and students through implementation of scientific, expert and applied activities as well as through cooperation with institutions and experts from their respect fields. Thanks to the continuous efforts and investments into the development of its staff, the College has been gradually building its own expert and teaching capacities needed to successfully conduct the programs, and expert and scientific work. College of Applied Sciences "Lavoslav Ružička" in Vukovar employs 30 full-time professors and more than 50 contributing teachers, lecturers and expert associates who are all involved in the education of future experts in the fields of economy, law and physiotherapy. The marvelous Jirkovsky palace built in 1874, in which the College is located, is outfitted with contemporary equipment and is, together with all the expert and professional staff, available to students, a great addition to the wealth of the College.

College of Applied Sciences "Lavoslav Ružička" in Vukovar continuously develops and builds capacities in other fields important for the functioning of the institution, such as areas of student standard and life, sporting and cultural activities, cooperation with the local community, financial and technical conditions, as well as other things important for successful functioning of the College and ensuring satisfaction of its students. The College is constituted in the form of departments that perform undergraduate and specialist graduate professional programs and develop scientific work in a single field. There are also other departments such as the Centre for sports diagnostics and recreation, Centre for Quality, Student Business Incubator and Centre for Lifelong Learning. Students and teachers have access to a library with 6000 titles, 16 computers, and IT and student services.

Through the implementation of study programs designed with developmental goals of the community and needs of the local market in mind, as well as through creation of an encouraging environment for acquisition and exchange of skills, knowledge and professional expertise needed due to the ever changing local and international circumstances, and with its high educational standards in general, the College of Applied Sciences "Lavoslav Ružička" in Vukovar is an active contributor to the advancement of our whole society.

Lavoslav (Leopold) Ružička
winner of the Nobel Prize in chemistry

*the first Croatian
to ever win this prize*

INTERNATIONAL COOPERATION AND COOPERATION WITH BUSINESS



College of Applied Sciences "Lavoslav Ružička" in Vukovar is a desirable partner in local and international cooperation and as such it is continuously developing and conducting activities aimed at achieving the social and economic goals of the community.

The College is a part of several agreements on cooperation with international and local educational and business institutions. It is continuously working on deepening and expanding its cooperation with existing and new partners. As one of the leading proac-

tive institutions, the College understands the fact that modern markets require highly skilled professionals which is why it does not view practical experience as a prestige, but as a necessary element of the educational process in addition to having a wide

theoretical knowledge. In accordance to that, the students attend a mandatory practice at local health and administrative institutions, as well as business subjects.

ERASMUS+

Erasmus+ is the biggest EU education, qualification, youth and sports program and it was created for the period from 2014 to 2020. It encompasses all European and international programs and initiatives of the European Union in the fields of education (general education, higher education, adult education), training (professional training), the young, and sports.

Erasmus+ is the EU Programme in the fields of education, training, youth and sport for the period 2014-2020. Education, training, youth and sport can make a major contribution to help tackle socio-economic changes, the key challenges that Europe will be facing until the end of the decade and to support the implementation of the European policy agenda for growth, jobs, equity and social inclusion. *

Three Key Actions are:

1. Learning Mobility of Individuals
2. Cooperation for innovation and the exchange of good practices
3. Support for policy reform

*The Erasmus+ Programme Guide 2019

Erasmus+ is focused on development of skills and knowledge, employment of European citizens, as well as advancement of work in areas of sports and youth. The goal of the Erasmus+ program in higher education is modernization and improvement of higher education across Europe and rest of the world.

The Erasmus+ program includes 28 EU member states, as well as others who have signed the agreement. Acceptable countries are divided into two groups: those who can participate in all activities and partner countries that can participate in some activities.

College of Applied Sciences "Lavoslav Ružička" in Vukovar was awarded the Erasmus+ charter for higher education for participating in the program from 2014 to 2020. All students are able to participate in the international mobility program for individuals, as well the entire staff. College is planning to participate in as many interinstitutional agreements as possible in order to provide the biggest possible choice of mobility to both its staff and its own and foreign students from other European universities. College is also interested in activities of European and international cooperation in the Program, especially those involving expert, scientific, research, and cultural projects.



STUDY PROGRAMS

College of Applied Sciences "Lavoslav Ružička" in Vukovar is focused on providing high quality education and training of highly skilled experts in the fields of biomedicine, health, law, and economy through the development of professional competence of its students. Permanent enhancement of quality in all fields is achieved through continuous innovation and adaptation of educational content while applying modern technologies and contemporary methods in the educational process and scientific research, a proactive approach in the advancement of the student standard and student life, as well as implementation of lifelong study concepts. Through creation and implementation of study programs focused on practical work and based on contemporary theoretical and applied achievements in the field of education of relevant specialization profiles, College ensures

that its students attain professional and practical abilities needed to respond to the needs of businesses and communities they work in by going through an integrated system of theoretical and applied knowledge and skills.

College has three departments that perform study programs of undergraduate and specialist graduate studies:

- [Administration department](#)
- [Business department](#)
- [Health studies department](#)

Through implementation of the best practices from domestic and world universities, College of Applied Sciences "Lavoslav Ružička" in Vukovar performs three undergraduate study programs in the fields of clinical medical sciences (Physiotherapy), economy (Commerce), and law (Administration), as well as one specialist graduate program in the field of clinical medical sciences (Preventive physiotherapy). The College students develop practical knowledge and skills that will make them able to respond to all challenges of their business carriers through:

- Active involvement in their studies, workshops, case studies, simulations, interactive presentations, and obligatory practical experience
- Development of their analytical skills with a focus on solving realistic tasks
- Development of foreign language competences, literary and verbal communication
- Encouragement of initiative, creativity and teamwork, or in other words, entrepreneurial knowledge and skills.



The Administrative department performs the Administrative studies undergraduate course with the goal of educating young people from eastern Croatia and attracting students from other areas to Vukovar with the goal of it becoming the educational center of the County and this part of Croatia. Besides that, through the organization of a studying program for part-time students, numerous local officials in state and local government are able to improve their knowledge and competence which in the end results with a higher quality of life in our area and Croatia in general. The goal of the Administrative studies program is to provide to students an appropriate level of knowledge and skills that will enable them to successfully perform in related occupations. By finishing the program, students attain the title of Bachelor (baccalaureus/ baccalaurea) of Public Administration (bacc. admin. publ.) and are qualified to start their carriers and independently perform legal and administrative work in state, local and regional government offices, as well as other public bodies or private businesses.

Our Business department performs the Commerce study program with a focus on educating economists for retail, wholesale and other activities that deal in exchange of goods. These activities have a constant needed for personnel of different profiles. The Commerce study program provides to students high quality and contemporary knowledge of economy on several levels: basic, expanded and specialist theoretical and practical knowledge. After completing the program students attain the title of Bachelor (baccalaureus/ baccalaurea) of Economy (bacc. oec.) and are qualified to perform both individual and teamwork tasks for different kinds of organizations, particularly those involved in the exchange of goods in local and international markets.

Our Health studies department performs the undergraduate Physiotherapy and specialist graduate Preventive Physiotherapy programs. The Physiotherapy undergraduate program performed at College is one of the most attractive programs of its kind in the Republic of Croatia, which is confirmed by the fact that our students are qualified for independent work after finish-

ing the program and find work with ease. Professors of both programs are experts of the highest caliber from different clinical fields and the practical part is performed in health institutions and our own excellently equipped Centre for sports diagnostic and recreation which was founded in 2005. Structure of the undergraduate Physiotherapy program is based on a narrow expert field of physiotherapy and clinical content with an obligatory inclusion of basic medicine and other health related subjects. Undergraduate level education enables students to learn knowledge and skills needed to assess conditions, set goals, and finally plan and implement physiotherapy with accordance to age, needs and particular problems of the person. After finishing the program, a student attains the title of Bachelor (baccalaureus/ baccalaurea) of Physiotherapy (bacc. physioth.) and is qualified for a successful start of a carrier or continuation of studies in the specialist degree program Preventive Physiotherapy, made with the goal of educating highly skilled physiotherapists educated and motivated to work with a growing number of people who do sports

in Croatia, as well as the users of recreational and wellness programs that demand a clinical approach to physiotherapy and a flexible support to the advancement of work capacities.

After completing the Preventive Physiotherapy specialist graduate program, students will be qualified to organize, analyze and research models of physiotherapy application in sports, recreation and wellness. With the title of graduate Physiotherapist students are qualified for and capable of independent work in health institutions, rehabilitation centres, professional sports clubs, recreational centres, educational institutions, wellness centres, and other health and tourist organizations, as well as expert and scientific projects or research in the field of physiotherapy.



STUDENT SATISFACTION AS A MEASURE OF SUCCESS

The primary goal of College of Applied Sciences "Lavoslav Ružička" in Vukovar is student satisfaction which is achieved through education of the highest quality as well as encouragement of the students' personal development in order to provide them with a rich student experience and a successful start of their professional careers. Students have at their disposal all necessary resources and future generations will have the ability to use a modern student dormitory in the vicinity of the College with all amenities needed for a pleasant stay during their studies.

Students of the College have the conditions needed for growth on personal and professional levels. They have at their disposal several different units that serve as support for the fundamental values of the College: Centre for sports diagnostics and recreation, Centre for Lifelong Learning and Student Business Incubator. They can also participate in their own organizations such as the Student Council, the Student Sports Association, and other activities such as volunteering and humanitarian work.

"The city of Vukovar is going to become the center of higher education as well as small students city. The students of the College will be development force of whole Vukovar-Sirmium County".

Večernji list, November 2018.

CENTRE FOR LIFELONG LEARNING

Experience from all over the world shows that contemporary education demands new content, a new approach to the process of learning new knowledge and skills, and a new and improved organization of education focused on lifelong education. The Centre was established at College of Applied Sciences "Lavoslav Ružička" in Vukovar in 2009, thus acknowledging the fact that modern society and contemporary technologies put greater demands on individuals on a daily basis while those demands become more complex and require an interdisciplinary approach, speed and effectiveness.

In such an environment lifelong learning becomes a way of life, it does not end with the ending of the educational process, but is continued through different, both formal and informal, educational forms whose creation and application present the primary goal of the Centre. Work of the Centre is focused on lifelong education, constant professional and scientific development of students and employed people who, through additional education, activities and specialist courses, wish to enhance their knowledge and skills needed for current and future business needs.



CENTRE FOR SPORTS DIAGNOSTICS AND RECREATION

Centre for sports diagnostics and recreation, a specific idea project designed to answer the demands of the educational process and the wider community, was started in 2005 as a part of the Physiotherapy program. The Centre was used as a meeting place where citizens and students were able to use specific life-enhancing programs in professionally equipped facilities at College. At the same time, the Centre provided undergraduate Physiotherapy students with excellent conditions for learning and adopting communicational skills needed to work with future patients and clients.

With the accreditation of the Preventive Physiotherapy specialist graduate program, the Trauma and Fitness Centre evolved into the Centre for sports diagnostics and recreation because the goal of the graduate program is to educate a large enough number of experts who will be qualified to organize, analyze and research all the fazes and elements of physiotherapy that are formally related to acute and chronic injuries and sicknesses with a holistic approach to the patient.

The Preventive Physiotherapy specialist graduate program is a modern blend of clinical biomedicine and kinesiology and the purpose of the program is to qualify students for independent work in the field of physiotherapy in health institutions, health-rehabilitation centres, sports clubs, recreational clubs, and joint work on scientific and clinical research projects (projects, communication, presentation and other).



The Centre is managed by experts from the Physiotherapy program and helped run by both second and third year undergraduate and graduate students who have shown inclination for that kind of work. The activities of the Centre are focused on preventive programs organized in several sections:

- Fitness gym – a modern, well equipped gym with air conditioning and accompanying activities that include: fitness, Pilates, beauty programs, thermotherapy, and a mass analyzer
- Kinesiological exercises – intended for children of preschool and elementary school age with the goal of prevention of deferent deformities and anomalies in the development of the compact muscular system, and especially for athletes in their physical training as well as prevention and rehabilitation of injuries
- Feldenkrais exercises – intended for middle-aged people, but are also very good for older people

Interaction of students and users in providing services in the Centre allows for synergy between learned theoretical knowledge and its functional application in practice.



STUDENT BUSINESS INCUBATOR - VUPI

The Student Business Incubator - VUPI was formed in 2013 with the goal of promoting entrepreneurship among young people. The project was realized with financial support of the Ministry of Entrepreneurship and Crafts of the Republic of Croatia through activity D1.2. Academic Entrepreneurship - Knowledge for the Economy, Entrepreneurial Impulse Program for the Advancement of Entrepreneurship and Crafts for 2013. Thanks to the support of the Ministry in the scope of the Student Business Incubator, all infrastructure and necessary accommodations needed for entrepreneurial activities of students were achieved. The primary goal of the Student Business Incubator - VUPI is to give young people, through high-quality educational activities, the knowledge and skills they need to recognize opportunities, plan their ventures, and start their own companies. Those skills also include a sense of initiative, creativity, individuality, and team work.

THE MISSION

of the Student the Entrepreneurship Incubator is to provide students with knowledge and skills needed to start and successfully run a small company through entrepreneurial programs, workshops, business simulations and lectures.

THE VISION

of the Incubator is the creation of young entrepreneurial generations capable of facing new challenges and changes in the business environment.

The base goal of the Student Business Incubator is to provide all necessary requirements, as well as professional help and advice, to all current and former students needed to develop their own business ideas and realize them.

The Incubator will help students in achieving specific goals through providing the necessary infrastructure, mentorship, generation and formation of business ideas, creation of business plans, market research, and networking with other entrepreneurs, institutions, and potential investors.

The Student Business Incubator is intended for all current students from all study programs, as well as those who have finished their studies but want to develop their business ideas in the scope of the Incubator.

STUDENT COUNCIL

College of Applied Sciences "Lavoslav Ružička" in Vukovar also has a Student Council which is included in the work of the Teacher's Council of the College as well as other activities with the goal of improving the quality of student life.

The Student Council organizes different projects and cooperates with a number of other organizations from College of Applied Sciences "Lavoslav Ružička" in Vukovar.



STUDENT SPORTS ASSOCIATION

SUSVEVU Student Sports Association was formed in 2011 with the goal of promoting and developing healthy life styles among students, organizing humanitarian and sports events on the College, promoting sports events, cooperating with other student organizations, and developing friendly and competitive spirit between its members.

All activities of the Student Sports Association are promoted by students in several different sections such as basketball, futsal, volleyball, table tennis, running, rowing, and dancing.

The most important projects of the Student Sports Association are the International Rowing Regatta St. Phillip and Jacob in Vukovar, the Student Sports Day, and the Student Cross.

Due to noted sports results of our students, the College was chosen as the best sports College in Croatia to attend the European University Games in Zagreb-Rijeka in 2016.



VOLUNTEERING

Volunteering, as a way of helping those different, often less fortunate, has been recognized at the College as an activity that bears an educational potential for future generations of students, especially in developing empathy and solidarity as important characteristics.

College of Applied Sciences "Lavoslav Ružička" in Vukovar works with the Vukovarski Leptirići organization, an association for children with sensomotoric problems in development, the Iskrice organization whose goal is to help people with problems in mental development, and the Duga humanitarian organization.

The mentioned organizations are places of meeting between students, affected children, and their parents where students can hear the parents' experiences and learn about their problems and possible solutions.

For their volunteering work and effort, students receive a volunteer's book, but most importantly, they make friends and receive invaluable experi-



The Student Standard Centre



COLLEGE OF APPLIED SCIENCES "LAVOSLAV RUŽIČKA" IN VUKOVAR



Student Dorm Leopold
LEOPOLD



Student Dorm Leopold
Mirogojska 18, Vukovar
Tel: 032/ 444-688

E-mail: studentskidom-vukovar@vevu.hr

STUDENT SERVICE

By joining you gain the ability to work through the Student Service!

Members can be:

- Regular students studying at higher education institutions in the Republic of Croatia
- Persons who have finished their studies as regular students, but no more than three months after graduation
- All high school seniors in the process of enrolment, but no more than 3 months after finishing high school

LOCATION:

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