

JYUnique.

UNIVERSITY OF JYVÄSKYLÄ





OPEN THINKING, TOGETHER

Our naturally beautiful campus is home to a dynamic multidisciplinary research university – an open and collaborative community of almost 2,600 experts and 15,000 students seeking answers to the pivotal questions of today and tomorrow.

It was here, in 1863, that Finnish-language teacher education began. Since then, the dialogue between research, education and society has been our driving force. We think big and experiment boldly in our core fields: learning and teaching, physical activity, natural sciences, languages, culture and information technology.

We cherish this balance of research and education, and work to promote open thinking. We kindle the skills, knowledge and passion to live wisely for the best of humanity.

Our vision for 2030 is to be internationally renowned as a multidisciplinary centre of research and a leading expert in learning and teaching.



Keijo Hämäläinen
RECTOR



New knowledge with practical applications

We create and share high-quality knowledge and research that is essential for finding solutions to the current challenges of society.

Our impact extends around the globe every day through the influence of our research, staff mobility, collaboration and the international activities of our students.

Locally, the University works closely with the City of Jyväskylä to help the region prosper. We collaborate with educational institutions, businesses and municipalities on a range of projects related to research, education and development. The EduFutura cooperation between the University, JAMK University of Applied Sciences and the Jyväskylä Educational Consortium offers diverse opportunities for students and partners. We also operate in Central Ostrobothnia at the Kokkola University Consortium Chydenius and in Vuokatti as part of the Kajaani University Consortium.

Essential to our impact is turning research results into practical applications. We support research-based business activities and efficiently make social and technological innovations accessible for society. EduCluster Finland, our education export company, is a developer of education in Finland as well as internationally.

→ jyu.fi/en/research

INNOVATIONS FROM THE CAMPUS

Many know Jyväskylä as the birthplace of Finnish teacher education and as an important city for sports and physical activity. Yet our campus has given rise to many other innovations as well.

THE CHRISTMAS TREE

The first Christmas tree celebrations in Finland were held at the Jyväskylä Teacher Seminary. Eventually, the seminary graduates spread the tradition throughout the country.

UFOX HUMIDIFIERS

The story of the legendary 1970s humidifier started in the University's Department of Physics, and production was established in 1971 in Korpilahti.

NANO HOCKEY STICKS AND SKIS

Researchers at the Nanoscience Center developed a new hybrid material: an epoxy strengthened with carbon nanotubes. The end result, Hybtonite epoxy, is stronger than earlier reinforced plastics. Among its other uses, Hybtonite has been utilised in hockey sticks and skis.

RECENART

Is that Monet in your collection authentic? Recenart can find out. The company, with its roots in the University, authenticates works of art by bringing together state-of-the-art technology and top expertise in art history, chemistry, physics and IT.

FIRSTBEAT

Firstbeat develops pulse analysis technology for top athletes as well as everyday exercisers. The company grew out of stress research at the University.

NAAVA SMART GREEN WALL

The only smart green wall in the world was developed by our alumni. The wall brings nature to your office (see photo on next page).

SYNESA SOLUTIONS

This university-based company specializes in process-oriented development services for the social and health sector.

MUSICAL GLOVE

A new kind of portable technology, the musical glove was developed in a University project and is now showing its commercial potential. The glove can be used for entertainment purposes as well as by teachers and professional musicians.

GRAPHOGAME

GraphoGame is a computer-based learning game for practising the basics of reading. The game was developed from the observations and research results of a longitudinal study on children's language development.

Innovations take time

A group of researchers in Jyväskylä is currently conducting basic research in non-linear elastics as part of the Centre of Excellence in Analysis and Dynamics Research.

It is known that every object stretches to a certain extent, but what happens when the stretching ends? The result is usually a hole or breakage. Some materials, however, stretch from multiple places and disintegrate into powder. Mathematical models have been created for the results of stretching, and it is these models, rather than the actual materials, that we are examining.

The time between basic research and any potential innovation can be as long as twenty years. Despite what people often think, innovations are not created in an instant.

Pekka Koskela

PROFESSOR OF MATHEMATICS

Cultural heritage as a project for the future

The idea of a common European cultural heritage is complicated. Europe has always been culturally diverse, and Europeans can have sharply different conceptions of the past and the cultural features of the continent. No subject, object or place automatically belongs to the European cultural heritage.

Research on the European Union's cultural projects and policies shows how cultural heritage can be used to strengthen a positive sense of togetherness. Yet it also examines how those same policies and projects can erect barriers, shut others out and promote politically divisive interpretations of the past.

The EUROHERIT project approaches interpretations of the past and European meanings from the perspectives of EU political discourse, cultural heritage experts and people visiting cultural heritage sites. The project studies the tensions and

controversies caused by cultural heritage as well as the attempts to resolve them.

Heritage is not so much a question of the past as it is one of our relationship to the present and the future. Cultural heritage can – and must – be seen as a project for the future.



Tuuli Lähdesmäki studies the European Union's cultural heritage policies in a project funded by the European Research Council.

Tuuli Lähdesmäki
ACADEMY RESEARCH FELLOW

Faculties

- / Faculty of Education and Psychology
- / Faculty of Humanities and Social Sciences
- / Faculty of Information Technology
- / Faculty of Mathematics and Science
- / Faculty of Sport and Health Sciences
- / Jyväskylä University School of Business and Economics

Cutting-edge research

The University's research profile is based on five core fields:

LEARNING, TEACHING AND THE LEARNING AND GROWTH ENVIRONMENTS THAT SUPPORT DEVELOPMENT

We conduct multidisciplinary research on learning, teaching and learning difficulties, as well as develop the learning environments of the future. We are leading experts in broad-based teacher education, adult education and issues related to the management, assessment and funding of education.

BASIC NATURAL PHENOMENA AND MATHEMATICAL THINKING

The Accelerator Laboratory and the interdisciplinary Nano-science Center are unique research environments in Finland. They conduct world-class research on the basic natural phenomena of physics, chemistry and the biosciences. In mathematics research the focus is on mathematical analysis and its applications for research on inversion problems. Statistics, scientific computing and computer science strengthen the quantitative research approach in the human sciences as well.

LANGUAGES, CULTURE AND COMMUNITIES IN GLOBAL CHANGE PROCESSES

We observe global change processes in a multidisciplinary way from the perspectives of research on language, culture and the functioning of communities and economies. Research in the humanities is strongly connected to societal phenomena. This means that our language subjects concentrate on applied language studies, while the social sciences emphasise participation, social equality and the success of communities and societies.

PHYSICAL ACTIVITY, HEALTH AND WELLBEING

Research at the Faculty of Sport and Health Sciences, the only one of its kind in Finland, focuses on the interaction and promotion of physical activity and health. Collaboration with psychology, social sciences, education and economics enables holistic research and the promotion of wellbeing.

INFORMATION TECHNOLOGY AND THE HUMAN IN THE KNOWLEDGE SOCIETY

The study of scientific computing, data analysis, information systems, cyber security and digital services – combined with research on digital culture, communication and marketing, education, wellbeing and economics – promotes the digitalisation of society and helps to understand it better.





KNOW

JYUnique.



FEEL

JYUnity.

“ Tradition and renewal as strengths

Universities are strengthening their core areas of research and seeking a greater role in society through their scientific impact. At the same time, we are faced with calls for renewal. The disciplinary profile and working culture of JYU provide an excellent basis for responding to these challenges. Tradition and renewal, therefore, need not be mutually exclusive. We can draw on both as strengths and essential elements in our brand.

Our university's academic status and impact are fully in our own hands. The choices we make today regarding our personnel and research conditions will determine our future. The keys to success are internationalisation and substantial investment in research infrastructure together with a profile that facilitates multidisciplinary research.

By drawing on this same capital we can also speed up the refinement of research results into innovations and expand them further into business endeavours. Examples of this are educational export and multidisciplinary research related to resource wisdom. Through new forms of innovation activities we can also promote the development of Central Finland.

Henrik Kunttu
VICE RECTOR

2,600
employees,
including

900
researchers

800
teachers

3,200
publications, of
which 1,400 are
open access

204 million
euros of funding



6
faculties

15,000
students

1,300
international
students

100+
nationalities

155
years
for you

“ Development begins by recognising value

In the increasingly multiprofessional and international world of work, a university education should secure success. Our multidisciplinary university provides excellent opportunities for study entities that cross faculty and subject boundaries and thereby build strong working life relevance.

Reforms have already been made in the right direction. New curricula have made study paths more flexible, the Jyväskylä Business and Innovation Factory strengthens the integration between content and entrepreneurship studies, and the content of one's field can now be learned in a foreign language. Topical themes such as resource wisdom, leadership, digitalisation, and language and cultural awareness provide perspectives beyond faculty-specific boundaries.

Alongside these multidisciplinary approaches, stronger internationalisation is a key aspect of our high-quality education. We are developing our educational offering in English, Finnish students' home-based internationalisation, and the global relevance of our degrees. The basis for all development activities derives from recognising the value of teaching and the promotion of wellbeing in the JYU community.

Marja-Leena Laakso
VICE RECTOR

WHO CARES, WINS.

We support students from their first year to graduation. Students receive help in their everyday life through tutors and a working model that promotes wellbeing. They are a central part of the dialogue within the University community.

The daily lives of students are filled with activity, and studies form just one part of a richer whole. So, while students assume the main responsibility for their daily lives, the University also offers a range of services to promote wellbeing and success in studies.

The University's Student Life concept provides students with guidance and support in their everyday concerns. It also gives students access to a range of tools to help develop working life and networking skills.

For many students, tutors are the first contacts with a support network. Tutors guide new students during the first year at university, providing practical

advice on a range of student life issues, from getting to know with the city to making social connections during studies.

Students can also take advantage of the many sport and exercise opportunities offered through the University's Academic Sports services, including group fitness classes, a variety of courses and access to gyms.

Sometimes a student may need help with life's bigger challenges. 'Goodies' are student wellbeing advisers who are easy to reach and available for confidential discussions about studies or other matters relating to the student's life situation. Goodies will help you figure out what the alternatives are for solving a problem.



JYU has a warm and welcoming feel and plenty of great opportunities for staying physically active.

Emmi Urtti

ETHNOLOGY
FACULTY OF HUMANITIES
AND SOCIAL SCIENCES



I like that the University offers so many possibilities to study exactly what you want.

Valtteri Järvinen

MATHEMATICAL INFORMATION TECHNOLOGY
FACULTY OF INFORMATION
TECHNOLOGY



The best things about JYU are the opportunities for optional studies and the active subject associations.

Samuel Latvanen

MANAGEMENT AND LEADERSHIP
SCHOOL OF BUSINESS
AND ECONOMICS



The University has a beautiful and accessible campus. It is close to the city centre and easy to reach by bike.

Suvi Petsalo

CLASS TEACHER EDUCATION
FACULTY OF EDUCATION
AND PSYCHOLOGY



JYU has the unique possibility to study sport and health sciences and a strong feeling of community

Ida-Lotta Juura

SPORT PEDAGOGY
FACULTY OF SPORT
AND HEALTH SCIENCES



At JYU you can do science and get to know what it is like to be a researcher while you are still studying.

Giovanni Misitano

PHYSICS
FACULTY OF MATHEMATICS
AND SCIENCE

A university in the middle of it all

The park-like campus of JYU is centrally located in the city, by the lakeside.

The University's unique campus area extends from Seminaarinmäki to the opposite shore of Lake Jyväsjärvi. You can quickly move along with the flow of students between the campuses of Seminaarinmäki, Mattilanniemi and Ylistönrinne. The compact campus area also highlights the University's community feeling: anywhere you go on campus, you're likely to bump into friends.

The University's different historical eras can be seen in the architecture, the art and the green areas of the campus in many ways, resulting in a unique whole. The campus is known worldwide for its Alvar Aalto designed buildings, which were inspired by the American campus idea, while the campus's most recent addition, Ruusupuisto, represents modern architecture.

The campus is a fascinating mix of old and new. Winding stone paths between buildings contrast with great glass walls and gleaming marble. And everyone has a favourite spot on campus they return to time and again – be it a wooden bench next to the athletics field or the far corner of the café in the Main Building.

→ jyu.fi/en/university



Serving the future. Since 1863.

/ 1863

The University of Jyväskylä gets its start in the first Finnish-language teacher training seminary in Finland, established by Uno Cygnaeus.

/ 1934

The Seminary becomes the Jyväskylä College of Education. Academic degrees are offered starting in the 1940s.

/ 1958

The Faculty of Philosophy and professorships in the humanities are established, pointing the way towards a college's development into the university.

/ 1966

The University of Jyväskylä begins operations with four faculties.

/ 2018

JYU is a nationally and internationally significant research university and an expert in education.



ENVIRONMENTS WITH IQ.



YOU. ME. JYU.

The University of Jyväskylä is a close-knit and open multidisciplinary community. In this vibrant, human-centred environment, everyone can find their place. Since 1863, we have been driven by the power of education and open dialogue.

JYU brings together education and psychology, natural sciences, humanities and social sciences, sport and health sciences, and business and economics into a multidisciplinary whole brimming with the latest knowledge and skills.

We want your time as a student to be one of the best times of your life. Our focus on the wellbeing of students is all-embracing. The lively city centre campus is also exceptionally international: we have staff and students from more than a hundred countries.



The joy of life and learning in Jyväskylä

There is something for everyone in one of Finland's largest cities. Jyväskylä is a youthful city of students: every fourth passer-by on the street is a student. The city of Jyväskylä offers some of the best sport and exercise opportunities in Finland and a variety of cultural activities to keep the body and mind active.

The vibrant and dynamic urban community is full of life. Something new and interesting is constantly going on, and the spirit of collaboration is tangible. The urban culture combined with the lakes and nature makes Jyväskylä a unique place to study, work and live. In this compact city everything is nearby. The University is less than a kilometre from the city centre

and the student apartments are within cycling distance of the campus.

Jyväskylä is fertile ground for new ideas, and JYU is an important driver of economic growth as well as a strong contributor to the development of the region's leading sectors. The city, business sector and educational institutions in the region collaborate closely to achieve world-class results in cutting-edge fields such as ICT and cyber security, physical activity and wellbeing, bioeconomy, and education expertise and export. Our diverse educational offerings guarantee that these fields will have knowledgeable and highly skilled experts now and in the future.

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