



JYVÄSKYLÄN YLIOPISTO

## TEMPUS STUDENT VISIT INFORMATION

Study Visit Period: May 1–31, 2014.



**VISUALITY &  
MATHEMATICS**

EXPERIENTIAL EDUCATION  
OF MATHEMATICS THROUGH  
VISUAL ARTS, SCIENCES  
AND PLAYFUL ACTIVITIES



### Welcome to the University of Jyväskylä!

We are one of the largest and most popular multidisciplinary universities in Finland. Our seven faculties are today hosting some 15 000 students from all over Finland and from nearly 90 countries around the world.

The distinctive quality and solid reputation of the Finnish education system brings thousands of international students to the country every year. Jyväskylä is an exceptionally attractive study destination with its combination of top-quality education and research, technologically advanced campus, safe and stable society, unique Nordic nature and landscape, and a wide range of sports and cultural events and activities.

**Read our international student guide ON-LINE:**

[http://issuu.com/universityofjyvaskyla/docs/intl\\_student\\_guide\\_2013-2014](http://issuu.com/universityofjyvaskyla/docs/intl_student_guide_2013-2014)



**FINLAND**



**>>> SPECIAL SEMINARS WE OFFER TO TEMPUS STUDENTS:**

**Study Period: May 5–19, 2014**

**1. VISUAL CULTURE, MATHEMATICS, EDUCATION: Experience-centered Education of Mathematics through Visual Arts and Visual Art Education through Experience-centered Approach to Mathematics (4 ECTS credits)**

Lecturers: Prof. Raine Koskimaa and Kristóf Fenyvesi, PhD - University of Jyväskylä

*This course provides an outline of the theoretical background and practice of experience-centered education of mathematics through arts, sciences and playful activities; and art education through the experience-centered approach to mathematics.*

*How to integrate pedagogical results of using art, science, and play-centered learning into mathematics teaching programs? How to integrate experience-centered mathematics education into art teaching programs? How to expand the set of tools used for develop a learner's perception, aesthetic sensibility together with increasing mathematical, logical, combinatorial, and spatial abilities, structured thinking skills, motivate collaborative problem solving, interdisciplinary and inter-artistic approaches? How to organize math-art events in your school?*

*The participants of this course will become familiar with the basic ideas and main activities of such organizations like the Experience Workshop Math-Art Movement, a movement advocating experience-centered mathematics education, the Bridges Organization, the world largest mathematics and arts community, and the Symmetrion, a world association for Symmetry Studies.*

**2. SEMINARS AT JYVÄSKYLÄ SUMMER SCHOOL IN HUMAN SCIENCES**

**19 - 23 May: EDUS350 Educational Cultures (4 ECTS credits) by Department of Teacher Education**

Lecturer: Josephine Moate, MA, University of Jyväskylä

*This course is particularly suited to students interested in culture and education. The discussion topics go beyond the walls of the classroom and students with various backgrounds and interests are welcome to participate on the course. The aim of the course is to critically consider different educational cultures and systems by drawing on the experiences of the course participants as well as on published educational research. The course will be based on a dialogic approach to education providing students with the opportunity to explore different views and experiences of education through meaningful dialogue.*





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*Learning outcomes: Having completed this course, students should:*

- *Recognise the variety of cultural differences often hidden by the term "education"*
- *Be more readily appreciative of different and divergent views*
- *Be ready to critically consider their own assumptions about education*

*Mode of study: Students are expected to participate actively in the course dialogues and activities. Home readings and assignments are to be completed during the course and a reflective task will be completed following the course.*

**26 - 30 May: MCEO210 Education in Finland,  
(3 ECTS credits) by Faculty of Education**

Lecturer: Dr. Matti Kuorelahti, Faculty of Education, University of Jyväskylä

*Upon completion of the course, the students are able to describe different aspects of the Finnish education system. Mode of study: Lectures about Finnish education system (e.g. early childhood education, basic education, special education, adult education, teacher education). Written assignment.*

*Literature:*

*National Curriculum Guidelines on ECEC in Finland 2003*

*(<http://www.thl.fi/thl-client/pdfs/267671cb-0ec0-4039-b97b-7ac6ce6b9c10>)*

*National Core Curriculum for Basic Education*

*([http://www.oph.fi/english/publications/2009/national\\_core\\_curricula\\_for\\_basic\\_education](http://www.oph.fi/english/publications/2009/national_core_curricula_for_basic_education))*

*National Core Curriculum for Upper Secondary Schools 2003*

*([http://www.oph.fi/english/publications/2003/National\\_Core\\_Curriculum\\_for\\_Upper\\_Secondary\\_Schools\\_2003](http://www.oph.fi/english/publications/2003/National_Core_Curriculum_for_Upper_Secondary_Schools_2003))*

*Väljörvi, J., Kupari, P., Linnakylä, P., Reinikainen, P., Sulkunen, S., Törnroos, J. & Arffman, I.. 2007. The Finnish success in PISA – and some reasons behind it 2. ([http://ktl.jyu.fi/img/portal/8302/PISA\\_2003\\_screen.pdf](http://ktl.jyu.fi/img/portal/8302/PISA_2003_screen.pdf))*





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### >>> TRAVEL OPPORTUNITIES TO JYVÄSKYLÄ:

*Jyväskylä is best reached by plane, train or coach. Most of the international flights arrive to the capital's airport, Helsinki-Vantaa and the RyanAir flight company offers **cheap flights** to the city of Tampere.*

*From Helsinki-Vantaa the connections are relatively frequent and the journey to Jyväskylä from Helsinki takes about 4 hours by bus or train. Flight from [Helsinki-Vantaa airport](#) to Jyväskylä airport takes one hour.*

*The journey to Jyväskylä from Tampere takes about 2 hours by train.*

*On arriving, it's necessary to have some Euros for buses, taxis, etc.*

#### **By Air**

*[The airport in Jyväskylä](#) is about 20 kilometers from the city centre and it can be best reached by taxi (costs approximately 20-30 €). E.g. the national flight company [Finnair Ltd](#) offers flights to Jyväskylä from Helsinki.*

*For our **Tempus Student Visitors** we recommend to check for cheap flights at <http://www.ryanair.com/en> with the destination of BUDAPEST – TAMPERE – BUDAPEST. Tampere is 2 hours from Jyväskylä by train.*

#### **By Bus**

*In Finland the long distance bus services are arranged by a company named Matkahuolto Ltd and the bus connections can be found from every city or village throughout.*

*If you travel to Helsinki by flight, there are many long-distance bus connections from Helsinki to Jyväskylä usually once every hour between 7 am and 9 pm (in the night time there are fewer busses and trains running). The travelling time between Helsinki-Vantaa airport and the Jyväskylä bus station is about 4-5 hours. The bus leaves directly from the airport so it's an easy way to come to Jyväskylä.*

*You can search for bus timetables by entering the desired search criteria on the [Matkahuolto's website](#):*

*Place of departure: Helsinki-Vantaa Airport*

*Destination: Jyväskylä Travel Centre*



### By Train

*You can also leave the airport of Helsinki-Vantaa by train to come to Jyväskylä. There is no direct train connection from the airport to the city of Jyväskylä so you must take a bus from the airport to Tikkurila, where the trip continues by train.*

*If you travel to Tampere by air, there are train connections from Tampere Railway Station to Jyväskylä. The travelling time between Tampere Railway Station to Jyväskylä is about 2 hours. To reach Tampere Railway Station from Tampere Airport, take the airport bus operated by Ryanair, which takes you from the airport directly to the Tampere Railway Station.*

*Finland has only one train company which is owned by the state. Track network reaches to all the biggest towns in Finland. You can search, select and buy trips from [VR's journey search](#)*

*From: Tikkurila*

*Destination: Jyväskylä*

### Further Information

- <sup>35</sup><sub>17</sub> [Matkahuolto Ltd](#) – Long distance bus connections
- <sup>35</sup><sub>17</sub> [Vr Ltd](#) – Train connections
- <sup>35</sup><sub>17</sub> [Finnair](#) - International and domestic flights
- <sup>35</sup><sub>17</sub> [Transport and Travel](#) in Jyväskylä

### >>> ACCOMMODATION:

*The accommodation will be organized by the University of Jyväskylä.*

### >>> TEMPUS CONTACT @ UNIVERSITY OF JYVÄSKYLÄ:

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