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## **Sustainable Heritage – Nordplus intensive course “Instruments for Monitoring old structures” Ekenäs, Finland September 2017**

### **Background**

The Nordic-Baltic Network of Engineering is a Nordplus network based on common interests developed over the past 2-18 years within themes of technology with the following partners: Uppsala University, Dalarna University, Estonian Academy of Arts, Åland UAS, Norwegian University of Science and Technology, Østfold University College, Vilnius College, Estonian Open Air Museum Foundation, Tartu Art College and Novia UAS as the coordinating institution.

Teachers, students and specialists of Construction Engineering and Building Conservation meet to focus on sustaining the built heritage in the Baltic Sea Region. This cooperation is informally called “**Sustainable Heritage**”. Understanding of the built heritage from different professional angles is promoted by bringing the different disciplines and cultures of the partners together. Intensive courses have been organized on a yearly basis offering hands-on experience and theory on how traditional building techniques, old materials and crafts can be applied today.

This year Nordplus has given us financing for the intensive course “**Instruments for Monitoring old structures**” to be arranged by Novia and held in Ekenäs, Finland in September 2017.

### **Course description**

Thru lectures, study visits and practical work the students will learn about visualization and measurements, 3D scanning, instruments for monitoring structures and other physical aspects that are important for evaluating the condition of a building and planning the maintenance of a building.

The practical work will include measurements, registering conditions and damages and finding solutions. Students will learn to use measuring techniques and instruments. Practical work will take place in one or several buildings of heritage interest in the Raseborg area in southwestern Finland.

The intensive course will include making of an official report. This means some work in advance and some more work after the intensive week.

All students of this course will officially receive 3 ECTS from Novia (diploma). Each university can then include this into “their own study plan”/selective course.

### **Course dates**

Week 38: Arrival on Sunday 17 September – Departure late Friday 22 September 2017 or Saturday 23 September.

### **Participants - application**

**Students:** Approx. 5 students from EAA, Tartu and UU and about 10 students from Novia are welcome to participate in the course. Final amount of participants and students selected is to be decided in August.

**Teachers/experts:** About 2 persons from each university/organization.

### **Costs**

There is no course fee. Normal travel costs, lodging and 1 course dinner are paid for by Nordplus network. Students shall pay for their own food during the course.

Students are encouraged to have a personal travel insurance.

### **Lodging**

Students and experts will probably all stay at the Novia student apartments, in double rooms with cooking possibilities and bathrooms. Breakfast and lunch can be bought in the University restaurant.

### **Applications**

Application deadline is 30 June 2017. Students of each university is to send their application to participate in the course to the following contact person:

EAA: Maris Veeremäe

Tartu: Heli Tuksam & Maris Veeremäe

UU: Susanna Carlsten

Novia: Towe Andersson

EOAM: Elo Lutsepp

The application is binding and must include the following information:

- name (given name, surname)
- date of birth
- female/male
- nationality
- mother tongue (language)
- contact information: telephone number and e-mail address
- own organization (correct name of your university)
- important food allergy etc.
- a short personal motivation to why you wish to participate in this course

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## Other

More information about Sustainable Heritage, previous courses and publications:

[www.sustainableheritage.eu](http://www.sustainableheritage.eu)

More information about Novia:

<https://www.novia.fi/>

<https://www.novia.fi/novia-uas/>

Information about Ekenäs and the city of Raseborg:

<http://www.visitraseborg.com/sv/>

and the Autumn market that will take place in Ekenäs in the end of the intensive week:

<http://www.visitraseborg.com/en/events/181-tammisaaren-syysmarkkinat>

## Warmly welcome to participate!

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