

SCORE 2019

Science Camp of CORE of STEM in Japan

Fascinating Light and Origami Crane: How They Stimulate Modern Physics and Maths

NWU CORE of STEM

(Collaborative Organization for Research in women's Education of Science, Technology, Engineering, and Mathematics)

International Summer Programme

22 - 29 August 2019

Nara Women's University, Japan

<http://www.nara-wu.ac.jp/core/global/index.html>



Looking for something different for summer 2019? Join us in SCORE, the Science Camp of CORE of STEM at Nara Women's University! This summer, the CORE of STEM, teamed up with the Faculty of Science, offers a fantastic opportunity for students at our overseas partner universities to enjoy a unique experience of studying STEM subjects in the historical setting of Nara, the ancient capital of Japan. This year's focus is light and geometry. Let's explore the wonders of physics and maths with light and origami cranes as our guides! Rest assured, if the subjects are not your field, that we will support you throughout the programme. Just bring your curiosity! If you are a history person, you will enjoy our field trips to UNESCO world heritage sites near our campus and Asuka village, which will offer you glimpses of Japan's cultural and historical riches. There will be a cooking session with a Japanese chef if you fancy learning some cooking tricks to impress your friends. In our overnight trip, you will go to an observatory in the south of Nara and spend a night in a cottage with a private observation dome. The programme will also give you a chance to learn about different cultures through contacts with other participants from different countries, including 12 NWU students.

A. Eligibility

We will accept FEMALE undergraduate students at NWU's overseas partner universities.

B. Credits

NWU will issue 2 credits upon students' successful completion of the programme.

C. The Number of Places Available
We will accept 12 students from our overseas partner universities.

D. Costs

We will charge no tuition or accommodation fees. Students, however, are required to arrange their own visa to enter Japan, overseas travel and medical insurance, transport to and from Nara, and their day-to-day expenses. **We will also offer travel grants to everyone who applies for one.** We will pay towards the half of your airfare (with the maximum of 70,000 JPY). Please note that you can stay in Japan only for the duration of the programme plus extra 4 days afterwards if you decide to receive this grant.

E. Accommodation

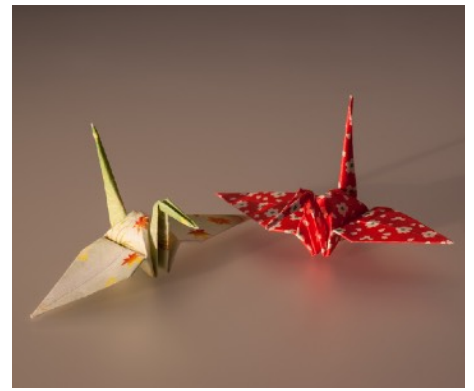
You will stay in a dorm room or a family room in a hostel near the university. All these rooms are booked out for our programme, and you will not share the rooms with other guests.

F. How to Apply

All applications must be made through universities, NOT by individual students. Fill out your application form (available at our website) and submit it to a contact person at your university, with a proof of your student status, such as an enrolment certificate issued by your university (Note: You have to be an enrolled student at the time of the programme). The application deadline is Friday, 29 March 2019.



PROGRAMME SCHEDULE



DATE	MORNING	AFTERNOON	EVENING
WED, 21 AUG	Arrival		
THU, 22 AUG	Induction		Welcome Party
FRI, 23 AUG	Maths Workshop: The Geometry of a Paper Crane	Excursion to the World Heritage Complex in Nara	
SAT, 24 AUG	Overnight trip to Otou Cosmic Park 'Star Land,' Gojo, Nara with a special mission at Osaka Science Museum on the way		Astronomy and Planetary Science
SUN, 25 AUG	Traditional manual papermaking workshop	Excursion to Asuka village featuring a visit to the Kitora Tumulus	
MON, 26 AUG	Cooking Workshop: Eat Nara	Physics Experiment 1: Make a Spectroscope for Solar Spectroscopy	
TUE, 27 AUG	Physics Experiment 2: Analyse the Solar Spectrum	Physics Lecture: The History and Physics of Light: From Relativity and Quantum Physics to the Universe and the Environment	
WED, 28 AUG	one-day break		
THU, 29 AUG	Preparation for Presentation	Final Presentation	Farewell Party
FRI, 30 AUG	Departure		

*Please note that the programme is subject to changes.

Location of Nara

- About 1 hour journey by train to **Kyoto** and **Osaka**
- 3 to 4 hours by bullet train to **Tokyo**



For enquiries, please contact:

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