

price	for free
max. participants	30
number of days	5
register before	1 July 2012

Information

The Summer School Green Genetics is organized by Wageningen Business School and Wageningen UR Plant Breeding, both part of Wageningen UR (University & Research centre). The programme includes lectures, located at Wageningen University Campus, and excursions. Transportation will be arranged to all excursions, with Wageningen as a starting point.

The Summer School is sponsored by the Technological Top Institute Green Genetics and contributions made by the hosting and sponsoring companies. This includes all lectures and excursions, transportation to excursions, lunches and refreshments. Costs for students travelling to Wageningen and – if necessary – hotel accommodation are not included. Wageningen Business School can provide assistance in booking accommodation for a reasonable price. Please send an e-mail to info.wbs@wur.nl.

Registration

Registration is possible until the first of July and will be limited to a maximum of 30 participants. Please send your name, a CV, and a short motivation letter to janine.luten@wur.nl. Registration will be based on a first come – first serve principle. You will be informed about the acceptance of your application by e-mail.

Credits

After completing the whole programme, students will be awarded with a certificate and 2 ECTS by their own school/university.

More information: Wageningen Business School	Janine Luten	PO Box 226 6700 AE Wageningen	T+31 317-484093 F+31 317-426547	E info.wbs@wur.nl I www.wbs.wur.nl/UK
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Related courses

Plant sciences plant breeding

- Plant Breeding Course
- Master Class Intellectual Property Rights in Seed Business
- Workshop Data Management



Green Genetics Meet the fascinating world

4th edition of a Summer School for Bachelor students

Course leader: Prof. R.G.F. Visser, Wageningen UR



An innovative world

The sector 'Flowers & Food' has been designated as one of the key sectors for innovation in the Dutch economy.

It covers horticulture, food production and plant breeding (green genetics). Plant breeding focuses on the production of new varieties in crop plants. New varieties with improved traits like taste, health promoting ingredients, yield, resistance to diseases, resistance to stress conditions, etc. These varieties are the basis for sustainable production of healthy food, food ingredients and non-food products worldwide. More and more, innovative techniques are included in breeding programs: molecular breeding, genomics, DNA sequencing and gene technology. The level of plant science research in The Netherlands is excellent when measured along international standards. The Dutch plant breeding and propagation industry is an innovative and knowledge intensive industrial branch which has a leading position in the world. Graduates with an education in plant sciences or plant breeding can start a blooming career in this sector, with many challenges to develop themselves professionally and personally.

Are you a student and would you like to explore the world of green genetics? It's our pleasure to invite you to participate in the Summer School Green Genetics.

Basic Knowledge

A basic knowledge of genetics, statistics, molecular biology, and plant physiology is required. The whole programme is in English, so good understanding of the English language is necessary.



Programme

DAY 1, MONDAY AUGUST 27, 2012

Morning

Arrival & Welcome

Lectures: Plant Breeding – state of the art

- History and impact of plant breeding
- Plant reproduction systems
- Plant genetic resources

Afternoon

Excursion to Barenbrug, Wolfheze

DAY 2, TUESDAY AUGUST 28, 2012

Morning

Lectures: From genotype to variety

- Breeding and selection methods
- Seed production and technology
- Intellectual property and breeders' rights

Afternoon

Excursion to Nunhems, Nunhem

DAY 3, WEDNESDAY AUGUST 29, 2012

Morning

Lectures: Technological developments in breeding

- Marker assisted breeding
- Genomics and breeding
- Genetically modified organisms (GMO's)

Afternoon

Excursion Schoneveld, Twello

DAY 4, THURSDAY AUGUST 30, 2012

Morning

Excursion to Bejo, Warmenhuizen

Introduction to Seed Valley

Afternoon

Presentation by East West Seeds

Networkmeeting with young professionals of companies at Seed Valley

DAY 5, FRIDAY AUGUST 31, 2012

Morning

Excursion to Takii, De Kwakel

Afternoon

Excursion to Naktuinbouw, Roelofarendsveen

Evaluation, certificates and closing

Course objectives

During this intensive one week programme, you will :

- learn about the basic topics in plant breeding;
- learn about new promising technologies;
- visit distinguished research facilities and laboratories;
- be the special guest of worldwide leading breeding companies.

Target audience

You can participate the Summer School Green Genetics when you:

- are a 2nd or 3rd year Academic or Bachelor student in biology, plant science, agronomy, or a related field.
- are a 3rd year Professional Bachelor student (HBO/ Fachhochschule/Polytechnic) in agronomy, horticulture, biotechnology, laboratory techniques or applied biology.
- have a basic knowledge of genetics, statistics, molecular biology and physiology.
- a good understanding of the English language.

Lecturers

The lecturers of the Summer School are from Wageningen UR Plant Breeding. The team consists: Prof. R.G.F. Visser, Dr A.W. van Heusden, Dr C.G. van der Linden.

Sponsors

