



# Fudan-Groningen Double Degree Bachelor Joint Programme in Econometrics and Operations Research

## The best of east and west

Fudan University in Shanghai, China, and the University of Groningen in the Netherlands have together developed an innovative double degree joint programme in Econometrics and Operations Research. The programme offers you a sound education in economics, business, mathematics and statistics. You will become familiar with the range of important models at the heart of econometrics and operations research and how they can be applied; you will develop an aptitude for research, and become skilled in communicating mathematical and quantitative results. These elements together provide you with an econometrics and operations research toolkit that can be used to address a wide range of societal issues at home country or abroad.



Are you a Fudan second-year (Mathematical) Economics student who aspires to an international career? Do you want to broaden your horizon and experience life in the international environment of a classical EU university, and acquire a broad spectrum of IT, mathematical and problem-solving skills? Your double degree will open doors to careers in business, government or research, in finance, insurance, logistics, or manufacturing, in China or the West? If so, then this programme is tailor-made for you.

## Interested in applying?

Make sure you contact the Fudan-Groningen Double Degree Joint Programme coordinator for more information and full details about the application and selection procedure in Fudan.



[www.rug.nl/feb/doubledegree](http://www.rug.nl/feb/doubledegree)

## Profile

During the first two years you study at the School of Economics at Fudan University, in the Mathematical Economics track, after which you transfer to the Econometrics and Operations Research bachelor programme at the Faculty of Economics and Business in Groningen for your final two years of study (in English). After four years (2 years at Fudan and 2 years in Groningen) you graduate with two bachelor's degrees: a Bachelor of Arts degree from Fudan and a Bachelor of Science degree from Groningen.

## What are the unique advantages?

- Two internationally recognised bachelor degrees from two leading research universities in their countries in the field of economics/business.
- An international study environment: lecturers, researchers and students from around the world converge in Groningen to exchange knowledge and theories that can be applied to econometric and operations research issues worldwide.
- Unique combination of econometrics, actuarial studies and operations research. You acquire additional skills in dynamic financial analysis and extracting and manipulating data to perform actuarial pricing of various insurance and pension options.
- Self development: you acquire knowledge through active exchange with fellow students under the supervision of tutors. Your learning process is for a large part determined by you.
- Possibility to continue your studies in Groningen after graduation: your BSc qualifies you for direct admission to the one-year MSc EORAS (Econometrics, Operations Research and Actuarial Studies) or to one of FEB's double degree Master's programmes in the fields of economics or business.
- Lively student social life in the charming historic city of Groningen: plenty of affordable sport, cultural and recreational activities specially geared to student budgets; a chance for you to discover why Groningen's unique blend of traditional and modern norms, customs and values is so popular.

## Entry requirements

- You have completed your first two years of study in Fudan and been selected by your Fudan coordinator.
- Your oral and written proficiency in English is satisfactory; your IELTS score is at least 6.5.
- The Netherlands Education Support Office (NESO) in Beijing has issued you with a NESO Certificate.

## Tuition fees and scholarships

- EUR 8.200 (annual tuition fee in 2017-2018).
- A limited number of scholarships are made available each year.

The first two years of the Mathematical Economics track in Fudan generally provide you with an excellent preparation to complete your Econometrics and Operations Research bachelor in Groningen. However, the first year of the Econometrics and Operations Research bachelor programme in Groningen puts a somewhat stronger emphasis on statistics than the Mathematical Economics track in Fudan.

The double degree joint programme offers the necessary solutions to ensure that you are still very well prepared to follow all second-year statistics courses once you arrive in Groningen.

In particular, you will be enrolled as a guest student into the first-year statistics courses in Groningen:

Semester	Months	Name	Code	ECTS	Teacher
1	Nov – Jan	Probability Theory	EBP014B05	5	dr. Boot
2	Feb – Apr	Probability Distributions	EBP038A05	5	dr. Juodis
2	May – Jul	Estimation and Testing	EBP036A05	5	dr. Groneck
2	May – Jul	Statistical Modelling	EBP008B05	5	dr. Müller

These courses provide necessary background for for example the second-year courses Statistical Inference and Linear Models in Statistics. These, in turn, give crucial background for e.g. the courses Introduction to Econometrics, Dynamic Econometrics or Microeconometrics in the 2nd and 3rd year.

The first three classes cover topics that you have already encountered in your course Probability and Mathematical Statistics, but will do so in more detail. Statistical Modelling is a hands-on introduction to applied econometrics and actuarial sciences where you start learning how to produce, interpret and present your own empirical results. Some more detail on the course outlines can be found here:



[www.rug.nl/ocasys/rug/vak/showpos?opleiding=4655](http://www.rug.nl/ocasys/rug/vak/showpos?opleiding=4655).

Your guest student status will give you access to all lecture notes, exercises and assignments. Of course, studying the material from the first-year statistics courses in Groningen will require some additional time investment on your side next to your regular studies in Fudan. That said, access to the online learning environment will allow you to contact the respective lecturers as well as dr. Heijnen, the coordinator of the double degree joint programme in Econometrics and Operations Research whenever there are questions.

Finally, prior to the official start of the academic year in Groningen in early September, there will be a short summer camp reviewing the material from the first year. This will also give you the opportunity to discuss any open questions.

Additionally, you should buy John E. Freund's "*Mathematical Statistics with Applications*" Prentice Hall, 7th edition (2003), ISBN-10: 0131427067 which is used in all of the above courses except Statistical Modelling.

If you have further questions regarding the programme, please do not hesitate to contact dr. Pim Heijnen ([p.heijnen@rug.nl](mailto:p.heijnen@rug.nl)).

## Faculty of Economics and Business

6300 total students  
 4400 undergraduate students  
 1900 graduate students  
 1320 foreign degree students  
 360 incoming foreign exchange students  
 435 outgoing foreign exchange students  
 80 PhD students  
 160 Foreign partner institutions  
 395 Academic staff  
 165 support staff:  
 63 full professors  
 58 associate professors  
 108 assistant professors  
 69 lecturers