



KHK

KATHOLIEKE
HOGESCHOOL
KEMPEN



Internationaal Microbiology K.H.Kempen University College, Geel, Belgium

**30 or 20 ECTS
Programme in English for exchange
students**

Aim

Training of microbiologists who

- are able to apply statistical techniques and to interpret its output to analyse measurement data.
- control guidelines of biosafety and food hygienics.
- are able to work sterile and can assess the risks of microbiological work.
- have an insight into procedures and can apply them.
- are able to read results and to assess critically.
- are able to set up experiments with bio control of organisms and phytopathology.
- are able to do microscopical parasitical research and have an insight into toxicological test methods.
- have a basic knowledge in water purification and fermentation technology.
- can discuss and simulate several fermentation processes and can use mathematical models for design purposes.

Content

The programme comprises:

- Support and regulation
- Molecular and microbial systems
- Micro-organisms as a threat
- Micro-organisms as a benefit
- Work placement

Placement

- In a microbiological environment (microbiological laboratory of a company, hospital, university,...)
- English spoken
- Not remunerated

ASSOCIATIE
K.U.-LEUVEN

Course prerequisites

- A sound knowledge of scientific terminology
- Applicants have to be in their third year of a comparable degree programme
- Basic knowledge of microbiology
- Good knowledge of English
- Good knowledge of Microsoft Office: Word, Excel

Assessment

- Individual assessment and project based group work
- ECTS grading scale

General structure

- 30 ECTS programme: from February till June 2011
- 20 ECTS programme: from February till May 2011
- Along with Belgian students

Application

- Apply before 15 November 2010
- No tuition fee for students of partner institutions of K.H.Kempen
- A small fee will be charged for course materials and visits.
- Please send registration to Ms Ite Tytgat (ite.tytgat@khk.be):
 - An Erasmus application form
 - Full CV and covering letter (including two passport photos)
 - A copy of your passport
 - Transcript of records and learning agreement
 - Insurance and emergency card (third party and travel insurance needed)

Studying in Geel

Katholieke Hogeschool Kempen is a university college situated in the Kempen, a dynamic region in the province of Antwerp in Flanders, the Dutch-speaking part of Belgium. It comprises eleven departments and has more than 7,000 students. K.H.Kempen University College very good study and e-learning facilities in a friendly environment. It maintains excellent connections with employers of the Kempen region and beyond. More information on www.khk.be/english.

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Overview full programme

IMIB			
SUBJECT	COURSE	ECTS credits 30	ECTS credits 20
Support and Regulation	<ul style="list-style-type: none">• Dutch for beginners• Biosafety• Global Food Issues• Food Hygienics• Bio statistics	5	5
Molecular and Microbial Systems	<ul style="list-style-type: none">• General Microbiology and lab• Food Microbiology and lab• Molecular Biology and lab	4	4
Micro-organisms as a threat	<ul style="list-style-type: none">• Phytopathology and lab• Bio Control of Organisms and lab• Toxicology• Parasitology and lab	5	5
Micro-organisms as a benefit	<ul style="list-style-type: none">• Fermentation technology and lab• Water purification• Modelling and regulation fermentation processes	4	/
Work placement	<ul style="list-style-type: none">• Work placement	12	6