

Leo Schouten, PhD

Programme coordinator Master of Epidemiology

- Medicine (1975-1981)
- PhD in Cancer Epidemiology (1996)
- Head of Cancer Registry (1983-2000)
- Associate Professor in Cancer Epidemiology, UM (2000-) main research focus: causes and prognosis of cancer





Martijn Bours, PhD

Vice-programme coordinator Master of Epidemiology

- BSc Physiotherapy (1994-1999)
- MSc Human Movement Sciences (1999-2001)
- PhD in Epidemiology (2007)
- Assistant Professor in Epidemiology, UM (2007-) Main research focus: quality of life in cancer survivors



Content

- Main themes
- What is Epidemiology about? Course outline & details
- What the future might bring
- Meet (former) students

Intermezzos

With examples of our own research





Epidemiology



"A fascinating field using statistics, tracking methods and problem solving to study the causes and course of diseases and the effect of clinical interventions in a community"

Why?

- It is fundamental to improving public health
- Collaboration with many different scientific disciplines
 - · It is about real-life





Intermezzo: 'smoking and cancer'

- · Associated with increased risk of many types of cancer, e.g.:
 - Lung cancer
 - Head & neck cancer
 - Bladder cancer
 - Renal cell cancer, etc
- There is one cancer with a decreased risk...
- Analysis using data from the Netherlands Cohort Study on diet and cancer, one of the large population studies of our department





Smoking and endometrial cancer



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Smoking status	Relative Risk	95% CI	
Never	reference	reference	
Former	-17%	-42 to +20%	
Current	-41%	-60 to -12%	

Explanation and implications?

Why Epidemiology in Maastricht? • One-year master • A general, solid theoretical, methodological, and statistical basis for designing and implementing research projects • The opportunity to conduct an impactful research project under the guidance of a personal supervisor • A stimulating international academic environment • Lectures by prominent renowned scientists and professors

Why Maastricht: two choices Master of Epidemiology, 1 year full-time Master of Epidemiology, 2 years part-time

Maastricht University



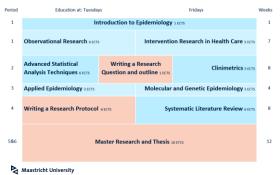
Main topics of master

Courses on:

- Observational Research
- Intervention Research
- Advanced Statistical Analyses
- Clinimetrics
- Genetic and Molecular Epidemiology
- Systematic Literature Review and Meta-analysis
- Writing a research protocol
- Internship and theses



Course outline / Epidemiology full-time



Course outline / Epidemiology part-time



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Programme details

- Problem-based learning
 - ⁻ Small groups under supervision of teachers
- Lectures
- Practicals
- Writing skills
- Presentations
- Internship with intensive supervision





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Visitation & accreditation

Master of Epidemiology

recognized for registration as 'epidemiologist A' by the Netherlands Epidemiological Society (april 2018)

 Positive assessment by the QANU (april 2018)

Link: https://search.nvao.net/files/5c62d72b52292_007490%20rapport%20UM%20wo-ma%20Epidemiology.pdi







	Grade	Scale
Grade program in general	7.3-8.1	1-10
If I was to start all over again, I would choose for this programme	3.7-4.4	1-5
The supervisor was an expert in the topic	4.2-4.6	1-5
Grade functioning supervisor	8.3-8.6	1-10









Evaluation NSE (2019) *Nationale Studenten Enquête*

Link: https://www.studiekeuze123.nl/opleidingen/17318-epidemiologymaastricht-university-wo-master



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	Grade	Scale	
Study in general	4.0	1-5	
I would recommend the study to others	4.0	1-5	
Theme score: contents	4.0	1-5	
Theme score: skills	4.1	1-5	
Theme score: scientific building	4.3	1-5	
Theme score: teachers	4.3	1-5	

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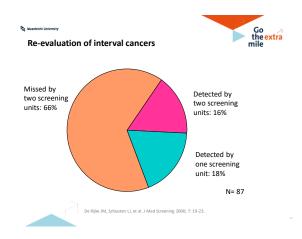




- In 1990 breast cancer screening programme was started in the Netherlands
- Aim to reduce breast cancer mortality
- Women aged 49 to 74 are invited once every two years;
- · Mammograms are read by two radiologists independently
- But cancers can be missed...







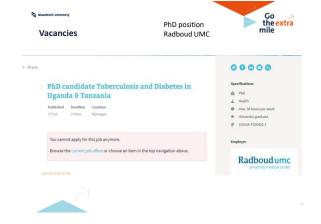














Admissions · University bachelor in a relevant domain University of Applied Sciences bachelor in a relevant domain + sufficient background in methodology and statistics + possibly GRE-test • Requirements regarding English language may apply · See Admissions stand and website for additional information





Karlijn Hermans

- Educational background
 BSc Medical Imaging and Radiation Therapy (2011-2015)
 Premaster Biomedical Sciences (2015-2016)
- MSc Global Health (2016-2017) MSc Epidemiology (2017-2018)

- Why did I choose the Epidemiology Master?
 To extend knowledge on quantitative research methods
 To gain more experience in using statistical analysis techniques
- To gain more ex.

 1 year program

<u>Current Position</u>
• PhD Candidate at the department of Epidemiology (since September 2018)

What do I do?

- Research! Write articles and conduct analyses
 Educational tasks tutor roles
 Follow PhD courses in cancer epidemiology, statistics, academic writing, etc.
 Visit conferences (national/international), and present findings

<u>Current project</u>
• Studying the aetiology of Cancer of Unknown Primary (CUP) tumour origin

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