



Week 36-39 c: Wednesday

MED-BMS11 Basic Course for Clinical Investigators (part 1, will continue in week 40-43)

Week 40-43 a: Monday and Tuesday

MED-BMS25 Introduction to neuroimaging 2: functional imaging
 MED-BMS43 From target to therapy
 MED-BMS47 Biomarkers in population-based research
 MED-BMS55 From vascular function to vascular failure
 MED-BMS62 Advanced modelling in economic evaluation
 MED-BMS63 Biodynamic and toxicokinetic modeling

Week 40-43 b: Thursday and Friday

MED-BMS30 Animal models for psychiatric and neurological disorders
 MED-BMS41 Advanced models of human disease
 MED-BMS42 Targeting cellular processes to treat disease
 MED-BMS50 Neural control of movement
 MED-BMS61 Statistical modeling in medical research
 MED-BMS66 Reproductive Epidemiology and Toxicology

Week 40-43 c: Wednesday

MED-BMS11 Basic Course for Clinical Investigators (part 2, continued from week 36-39)
 MED-BMS12 Research with ionizing radiation

Week 44-47 a: Monday and Tuesday

MED-BMS19 Vision: From molecule to perception and treatment
 MED-BMS29 Neurobiology of Stress
 MED-BMS39 Understanding proteins in 3D
 MED-BMS48 Clinical trials
 MED-BMS49 Movement science in rehabilitation
 MED-BMS65 Clinical toxicology
 MED-BMS72 Cancer development and immune defence
 MED-BMS81 Applied medical research and society

Week 44-47b: Thursday and Friday

MED-BMS21 Neurodevelopmental disorders: bench to bedside
 MED-BMS33 Neural stem cells to model neurological disorders

MED-BMS37 Cell death in life and disease
 MED-BMS52 Disorders of movement
 MED-BMS59 Prediction models and machine learning
 MED-BMS60 Human risk assessment
 MED-BMS76 Cell movements

Week 44-47c: Wednesday

MED-BMS11 Basic Course for Clinical Investigators (part 1, will continue in week 48-51)

Week 48-51 a: Monday and Tuesday

MED-BMS08 Qualitative research
 MED-BMS13 Data-analysis and modeling in MATLAB
 MED-BMS16 Causal inference in observational research
 MED-BMS20 Hearing: function, dysfunction and treatment
 MED-BMS28 Stress-related disorders

Week 48-51 b: Thursday and Friday

MED-BMS05 Participatory approaches to innovation
 MED-BMS07 Science, communication and society
 MED-BMS14 Design and analysis of experiments
 MED-BMS38 Biomarkers: let's get personal
 MED-BMS51 Sensorimotor control
 MED-BMS73 Infectious diseases and global health

Week 48-51 c: Wednesday

MED-BMS11 Basic Course for Clinical Investigators (part 2, continued from week 44-47)

Week 2-5 a: Monday and Tuesday

MED-BMS02 Management skills for a consultant
 MED-BMS09 Science presentation and visualisation
 MED-BMS23 Biomedical imaging: seeing is understanding
 MED-BMS27 Higher order cognition and emotion
 MED-BMS31 OMICS data analysis for systems biology
 MED-BMS57 Health care improvement science

Week 2-5 b: Thursday and Friday

MED-BMS03 Policy research
 MED-BMS06 Science popularisation
 MED-BMS10 Laboratory animal science
 MED-BMS17 Hands-on: genome data association analysis.
 MED-BMS22 Vanishing boundaries between neurodevelopmental disorders
 MED-BMS82 Advanced matlab

Week 6-9 a: Monday and Tuesday

MED-BMS01 Thinking Critically about Science
 MED-BMS26 Neuroscience of sleep
 MED-BMS69 Tumors of the digestive tract
 MED-BMS71 Women's cancers
 MED-BMS84 Longitudinal and multilevel data analyses

Week 6-9 b: Thursday and Friday

MED-BMS04 Policy making, health systems and public management in health care
 MED-BMS34 Reconstructive and regenerative medicine
 MED-BMS44 Mitochondrial disease drug development
 MED-BMS46 Healthy versus neurodegenerative brain aging
 MED-BMS68 Urological cancers

MED-MIN22 Hemostasis, a delicate balance!
 MED-MIN23 Pediatric Infectious Diseases and Immunity
 MED-MIN24 Metabolic Syndrome vs Renal Horsepower
 MED-MIN26 Challenges of integrated community-based healthcare
 MED-MIN27 Genomics research – from molecule to population
 MED-MIN29 Infectious Disease Epidemiology and Prevention

Thursday – Friday minors Autumn semester

MED-MIN03 Translational Cardiovascular Research
 MED-MIN06 Global Health & Infectious Diseases
 MED-MIN08 State-of-the-art research technologies in cancer, immunology and diagnostics
 MED-MIN10 Diagnostics and molecular research in kidney disease
 MED-MIN12 Health technology innovation and assessment
 MED-MIN13 Medical Biotechnology towards Clinical Practice
 MED-MIN15 Population Research: Risk and Prevention
 MED-MIN16 Translational Neuroscience
 MED-MIN19 Clinical Exercise Physiology
 MED-MIN20 Responsible research and innovation
 MED-MIN21 Breast cancer; biology, treatment, patient
 MED-MIN25 Better doctors, better patients, better decisions
 MED-MIN28 Human embryology in perspective

3rd year Bachelor's minor in Medicine (14 EC)

Full time minor Spring Semester:

MED-MINK-16 Principles and practice of infectious diseases.

As this course is full time, it cannot be combined with any other courses.

Overview Bachelor's courses

3rd year Bachelor's minors in (Bio) Medicine (12 EC)

Monday - Tuesday minors Autumn semester

MED-MIN01 Efficacy and Safety of Drugs
 MED-MIN02 Visualizing Health and Disease: from Molecule to Man
 MED-MIN04 Cancer Mechanisms and immune defense
 MED-MIN05 Moving Questions: an introduction to Clinical Human Movement Science
 MED-MIN09 Novel Therapeutics in Personalized Healthcare
 MED-MIN11 Clinical Research: principles and practice
 MED-MIN14 Neuroscience of stress-related psychopathology
 MED-MIN18 Hemato-oncology – Developing new therapies

More information and contact details

We are Guusje Jongen, Carly Peppers and Loes Vaessen and you can always contact us:

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 F: www.facebook.com/radboudmedical

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Faculty of Medical Sciences Options for Exchange Students



change perspective



Radboud University



Radboudumc
university medical center

For more information
www.radboudumc.nl/internationaloffice



The Radboud University Faculty of Medical Sciences is based at the Radboud university medical center. Here we welcome international exchange students for a research internship or to follow theoretical courses.

Facilities

If you are accepted for an exchange period with us, we will register you as a student with the central international office of Radboud University. They will help you with housing, visa, orientation week, getting your student card etc.
> <https://www.ru.nl/io/english/students/incoming-exchange>

Research Internships

Students from partner universities (Erasmus or bilateral agreements), as well as all EU students are welcome to do a research internship at Radboud University. For some students, this option can be combined with our English-taught courses also described in this brochure.

To do an internship, you first need to find a supervisor or

department that is willing to offer you a place to do your internship. Make sure you do your homework and find out about our departments, researchers and the topics they work on. The more detailed and motivated your request, the bigger the chance that you will be accepted by the department of your choice.

When contacting an institute, make sure you have a strong motivation and mention that the Radboudumc international office will support you. Once you receive your approval, please make sure you contact the Radboudumc international office for students: internationalofficestudents@radboudumc.nl

A good place to start looking for a supervisor is the website of one of our three research institutes:

Donders Center for Medical Neuroscience - DCMN

As part of the interfaculty Donders Institute for Brain, Cognition and Behaviour, DCMNs mission is to carry out world class research that advances our knowledge on how the nervous system develops and functions and how it is altered by disease, injury, genetic, and environmental factors such as stress.

> www.ru.nl/donders

Radboud Institute for Health Sciences - RIHS

The Radboud Institute for Health Sciences aims to facilitate, through scientific training and research, essential successive steps in translating early biomedical discoveries into applied clinical practice and public health.

> www.rihs.nl

Radboud Institute for Molecular Life Sciences-RIMLS

The Radboud Institute for Molecular Life Sciences aims to generate basic knowledge in molecular medical science and to translate this knowledge into clinical applications, the development of diagnostics and the treatment of patients through translational research programmes.

> www.rimls.nl

Bachelor's courses for exchange students

Structure

Students from partner universities (Erasmus or bilateral agreements) are very welcome to attend our English-taught courses in (bio)medicine. More information on these courses can be found below. You can also contact the international office on internationalofficestudents@radboudumc.nl with any questions you may have.

Our Bachelor's courses are organised in quarters and semesters (10-week courses and 20-week courses). The approximate dates each year are:

Semester 1/Autumn semester:
Q1: 1 September - 15 November
Q2: 16 November- 31 January
Semester 2/Spring semester:
Q3: 1 February - 15 April
Q4: 16 April - 30 June

Most English taught courses, open for exchange students are offered in the third year Medicine and Biomedical sciences, mainly in the autumn semester and some in the first quarter of the spring semester.

Autumn semester courses (minors, Bachelor's)

Autumn semester courses are 20 week minors for 12 EC's (European Credits), which are offered on Mondays and Tuesdays or on Thursdays and Fridays. This means you can combine one Monday-Tuesday minor with one Thursday-Friday minor.

These courses are third year Biomedical sciences courses and are open to both Bachelor's and Master's students in Medicine and Biomedical sciences.

An overview of the first semester minors can be found on: www.ru.nl/medical/minors as well as on the back of this brochure.

Spring semester courses (Q3, Bachelor's)

In Q3, so the first half of the spring semester there is also one course available, open to Medicine students and Biomedical sciences students:

MED-MINK16 Principles and Practice of infectious Diseases.

This course is full time, and therefore cannot be combined with another course in the same quarter/semester. More information on this course can be found on: www.ru.nl/medical/clinical-minor as well as on the back of this brochure.

FULL DEGREE STUDY OPTIONS FACULTY OF MEDICAL SCIENCES

If you are interested in completing a full degree at our faculty, we offer a Master's in Biomedical Sciences and a Research Master's in Molecular Mechanisms of Disease. For more information please visit www.ru.nl/masters/medical. Unfortunately, Medicine, Dentistry, and the bachelor's in Biomedical Sciences are mostly in Dutch. For more information please visit www.ru.nl/education.



Master's courses for exchange students

Structure

The courses in our Master's programme in Biomedical Sciences are offered again in Monday-Tuesday courses (a) and Thursday-Friday courses (b). However, these courses last 4 weeks. You can choose one Monday-Tuesday course and combine it with one Thursday-Friday course at the time. In some periods there is also a Wednesday course (c) available.

a = Monday/Tuesday contact hours, time for self study or exam (final week) on Wednesdays
b = Thursday/Friday contact hours, time for self study or exam (final week) on Wednesdays
c = Wednesday contact hours

Schedule

September; start week 36

a: Monday and Tuesday
b: Thursday and Friday
c: Wednesday (will continue in week 40)

October; start week 40

a: Monday and Tuesday
b: Thursday and Friday
c: Wednesday (continued from week 36)

November; start week 44

a: Monday and Tuesday
b: Thursday and Friday
c: Wednesday (depending on the course, it may continue in week 48)

December; start week 48

a: Monday and Tuesday
b: Thursday and Friday
c: Wednesday (continued from week 44)

January; start week 2

a: Monday and Tuesday
b: Thursday and Friday

February; start week 6

a: Monday and Tuesday
b: Thursday and Friday

Lina, Exchange student
from Brazil



'When after your bike breaks in the middle of a triathlon and you can't hold your tears, a Dutch old sir and total stranger comes to you and ask if his smile would be enough to make him see mine. When you complain you miss hugs from home and since that moment a Dutch friend starts to hug you every day in the morning. When you receive a book full of letters, poems, drawings about what they feel for you.... In those moments and in many others, I had the proof that the best part of my exchange in the Netherlands were people that crossed my way. Human bonds that touched my heart. I really don't have enough words to express how grateful and how loved I felt here.'

An overview of all these courses can be found on: www.ru.nl/medical/bms-courses as well as below (continues on the back of this brochure)

Overview Master's courses

Week 36-39 a: Monday and Tuesday

MED-BMS24 Introduction to neuroimaging 1: conceptual basics and anatomy
MED-BMS53 Orthopaedic biomechanics in motion
MED-BMS58 Cost-effectiveness analysis in health care
MED-BMS64 Molecular and cellular toxicology
MED-BMS75 Advanced tools in molecular biology
MED-BMS77 Design of applied medical research

week 36-39 b: Thursday and Friday

MED-BMS32 Molecular and cellular neuroscience
MED-BMS40 Nanomedicine
MED-BMS54 Applied exercise physiology
MED-BMS56 Health outcome measurement
MED-BMS67 Chemical mutagenesis and carcinogenesis
MED-BMS74 Inflammatory diseases
MED-BMS78 Modern methods of data collection