BMS course overview 2022/2023

Profiles	Specialisations	More than one profile or specialisation
Consultancy profile	Clinical Human Movement Sciences	Moleculat Medicine / Immunology & Host Defense
Communication profile	Immunology & Host Defence	Communication profile / Health Technology Assessment
Research profile	Molecular Medicine	Communication profile / Research profile
	Drug Safety and Toxicology	Research profile / Health Technology Assessment
	Epidemiology	
	Heatlh Technology Assessment	
	Medical Neuroscience	

		Medical Neuroscience	L			
·	A: Monday/ Tuesday	Titel	B: Thursday/ Friday	Titel	C: Wednesdays	
W36	MED-BMS24	Medical Neuroscience: Conceptual basics and anatomy	MED-BMS32	Medical Neuroscience: molecular and cellular neuroscience	MED-BMS11 (part 1 of 8 week course)*	Basic course on Regulations and Organisation for clinical investigators (BROK) (part 1 of 8 week course)
	MED-BMS53	Orthopaedic biomechanics in motion	MED-BMS40	Nanomedicine		
Je.	MED-BMS64	Molecular and cellular toxicology	MED-BMS54	Applied exercise physiology		course that runs in W36 + W40. You register for the same registration deadlines as a regular W36 course.
Ē	MED-BMS75	Advanced tools in molecular biology	MED-BMS67	Chemical mutagenisis and carcinogenesis	entire course with the	same registration deadimes as a regular was course.
September	MED-BMS77	Design of applied medical research	MED-BMS74	Inflammatory diseases		
Š	MED-BMS86	Introduction to Health Technology Assessment	MED-BMS78	Modern methods of data collection		
	MED-BMS88	Advanced Immunology	MED-BMS58	Cost-effectiveness analysis in health care	NAED DNACAA / a aust 2	Designation of Committee for disciple
W40	MED-BMS25	Medical Neuroscience: Functional imaging	MED-BMS30	Medical Neuroscience: Animal models for psychiatric and	MED-BMS11 (part 2	Basic course on Regulations and Organisation for clinical
	MED DMC43	From target to thorany	MED-BMS41	neurological disorders Advanced models of human disease	of 8 week course) MED-BMS12	investigators (BROK) (part 2 of 8 week course) Research with ionizing radiation
<u>_</u>	MED-BMS43 MED-BMS47	From target to therapy Biomarkers in population-based research	MED-BIVIS41	Targeting cellular processes to treat disease	INIED-PINI217	Research with fortizing radiation
October	MED-BMS55	From vascular function to vascular failure	MED-BMS50	Neural control of movement		
Į	MED-BMS62	Advanced modelling in economic evaluation	MED-BMS61	Statistical modeling in observational research		
1 "	MED-BMS63	Biodynamic and toxicokinetic modelling	MED-BMS66	Reproductive Epidemiology and Toxicology		
					MED-BMS11 (part 1	Basic course on Regulations and Organisation for clinical
W44	MED-BMS19	Vision: From molecule to perception and treatment	MED-BMS21	Neurodevelopmental disorders: bench to bedside	of 8 week course) *	investigators (BROK) (part 1 of 8 week course)
	MED-BMS29	Neurobiology of stress	MED-BMS33	Neural stem cells to model neurological disorders	of o week course f	investigators (Bitoty (part 1 or o week course)
	MED-BMS39	Understanding proteins in 3D	MED-BMS37	Cell death in life and disease		course that runs in W44 + W48. You register for the
ē	MED-BMS48	Clinical trials	MED-BMS52	Disorders of movement	entire course with the	same registration deadlines as a regular W44 course.
November	MED-BMS49	Movement science in rehabilitation	MED-BMS56	Health outcome measurement		·
Ş.	MED-BMS65	Clinical toxicology	MED-BMS59	Prediction models and machine learning		
ž	MED-BMS72	Cancer development and immune defense	MED-BMS60	Human risk assessment	1	
	MED-BMS81	Applied medical research and society	MED-BMS76	Cell motility in physiology and pathology		
			MED-BMS89	Moving Science - using film in science communication		
W48	MED-BMS08	Qualitative research	MED-BMS05	Participatory approaches to innovation	MED-BMS11 (part 2	Basic course on Regulations and Organisation for clinical
	MED-BMS13	Introduction to linear algebra and data analysis in	MED-BMS07	Science, communication and society	of 8 week course)	investigators (BROK) (part 2 of 8 week course)
December	MED-BMS16	MATLAB/PYTHON Causal inference in observational research	MED-BMS14	Design and analysis of experiments		
e u	MED-BMS28	Stress-related disorders	MED-BMS31	OMICS data analysis for systems biology	1	
) Sec	MED-BMS85	Big data in biomedical sciences	MED-BMS51	Sensorimotor control		
1 -	MED-BMS87	Applied Infectious Disease Epidemiology	IVIED-BIVISSI	Sensorimotor control		
W02	MED-BMS02	Management skills for a consultant	MED-BMS03	Policy research		
	MED-BMS09	Science presentation and visualisation	MED-BMS06	Science popularisation		
≥	MED-BMS23	Biomedical imaging: seeing is understanding	MED-BMS10	Laboratory animal science		
January	MED-BMS27	Higher order cognition and emotion	MED-BMS17	Hands-on: genome data association analysis	1	
Jan	MED-BMS38	Biomarkers: let's get personal	MED-BMS22	Vanishing boundaries between neurodevelopmental disorde	ers	
	MED-BMS57	Health care improvement science	MED-BMS82	Applied Matlab for Biomedical Problems	I	
W06	MED-BMS01	Thinking Critically about Science	MED-BMS04	Policy making, health systems and public management in		
_	MED-BMS26	Neuroscience of sleep	MED-BMS34	health care Reconstructive and regenerative medicine	1	
February	MED-BMS69	Tumors of the digestive tract	MED-BMS44	Mitochondrial disease drug development		
P. D.	MED-BMS71	Women's cancers	MED-BMS46	Healthy versus neurodegenerative brain aging		
필	MED-BMS84	Longitudinal and multilevel data analysis	MED-BMS68	Innovative research in urological cancers	I	
W10	MED-BMS09	Science presentation and visualisation	ED DIVISOR	oraave researen in arological cancers		
	MED-BMS02	Management skills for a consultant			I	
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Profile courses

Consultancy profile

Period	Code	Title	ECTS
W02A	MED-BMS02 *	Management skills for a consultant *	
	or	of	
	MED-BMS57	Health care improvement science	
W02B	MED-BMS03	Policy research	
W06B	MED-BMS04	Policy making, health systems and public management in health	
		care	
W48B	MED-BMS05	Participatory approaches to innovation	3

^{*} MED-BMS02 has another course edition in W10A (March)

Communication Profile

Period	Code	Title	ECTS
W02B	MED-BMS06	Science popularisation	3
W48B	MED-BMS07	Science communication and society	3
W48A	MED-BMS08	Qualitative research	3
W02A	MED-BMS09	Science presentation and visualisation	3
or W10A			

Research profile

Students in the research profile should take at least 6 ECTS of research profile courses

Period	Code	Title			
W02A	MED-BMS09	Science presentation and visualisation	3		
W02B	MED-BMS10	Laboratory animal science	3		
W36/40	MED-BMS11	BROK	1.5		
W44/48		(2 course editions of 8 weeks each)			
W40C	MED-BMS12	Research with ionizing radiation	1.5		
W48A	MED-BMS13	troduction to linear algebra and data analysis in			
		MATLAB/PYTHON			
W48B	MED-BMS14	Design and analysis of experiments			
W44A	MED-BMS48	Clinical trials			
W02B	MED-BMS82	Applied Matlab for Biomedical Problems			
W06A	MED-BMS84	Longitudinal and multilevel data analyses			
W48A	MED-BMS85	Big data in biomedical sciences			
W44B	MED-BMS89	Moving Science - using film in science communication			

Courses per specialisation

Immunology and Host Defence

Period	Code	Title
W36A	MED-BMS88	Advanced immunology
W36B	MED-BMS74	Inflammatory diseases
W40A	MED-BMS43	From target to therapy
W40B	MED-BMS42	Targeting cellular processes to treat disease
W44A	MED-BMS72	Cancer development and immune defense
W44B	MED-BMS37	Cell death in life and disease
	or	
	MED-BMS76	Cell movements

Clinical Human Movement Sciences

Period	Code	Title
W36A	MED-BMS53	Orthopaedic biomechanics in motion
W36B	MED-BMS54	Applied exercise physiology
W40A	MED-BMS55	From vascular function to vascular failure
W40B	MED-BMS50	Neural control of movement
W44A	MED-BMS49	Movement science in rehabilitation
W44B	MED-BMS52	Disorders of movement

Epidemiology

Period	Code	Title
W36A	MED-BMS77	Design of applied medical research
W36B	MED-BMS78	Modern methods of data collection
W40A	MED-BMS47	Biomarkers in population-based research
W40B	MED-BMS61	Statistical modeling in medical research
W44A	MED-BMS81	Applied medical research and society
W44B	MED-BMS59	Prediction models and machine learning

Health Technology Assessment

Period	Code	Title
W36A	MED-BMS86	Introduction to Health Technology Assessment
W36B	MED-BMS58	Cost-effectiveness analysis in health care
W40A	MED-BMS62	Advanced modelling in economic evaluation
W44A	MED-BMS48 *	Clinical trials *
W44B	MED-BMS56	Health outcome measurement
W48A	MED-BMS08	Qualitative research

^{*} In 2021-2022 MED-BMS61 'Statistical modeling in medical research' was part of the HTA specialisation. This has been replaced by MED-BMS48. MED-BMS61 is still part of the BMS course offering and is still recommended for HTA students.

Drug Safety and Toxicology

Period	Code	Title
W36A	MED-BMS64	Molecular and cellular toxicology
W36B	MED-BMS67	Chemical mutagenesis and carcinogenesis
W40A	MED-BMS63	Biodynamic and toxicokinetic modeling
W40B	MED-BMS66	Reproductive Epidemiology and Toxicology
W44A	MED-BMS65	Clinical toxicology
W44B	MED-BMS60	Human risk assessment

Molecular Medicine

Period	Code	Title
W36A	MED-BMS75	Advanced tools in molecular biology
W36B	MED-BMS40	Nanomedicine
W40A	MED-BMS43	From target to therapy
W40B	MED-BMS42	Targeting cellular processes to treat disease
W44A	MED-BMS39	Understanding proteins in 3D
W44B	MED-BMS37	Cell death in life and disease
	or	
	MED-BMS76	Cell movements

Medical Neuroscience

Period	Code	Title
W36A	MED-BMS24	Medical Neuroscience: Conceptual basics and anatomy
W36B	MED-BMS32	Medical Neuroscience: molecular and cellular neuroscience
W40A	MED-BMS25	Medical Neuroscience: Functional imaging
W40B	MED-BMS30	Medical Neuroscience: Animal models for psychiatric and neurological disorders