

Overview RM in Cognitive Neuroscience (CN)

Period	Research Master in Cognitive Neuroscience (CN) Year 1 (2020-2021) Specialisation Coordinator: Giancarlo Valente
Period 0	Introduction week: PSY4950 Introduction in Problem-Based Learning (training for non-UM students*) (- credits): Wladimir van Mansum
Throughout Year 1	Electives: PSY4156 Elective: Course OR PSY4157 Elective: Review OR PSY4158 Elective: Research (3 credits each): Vincent van de Ven
Period 1	Core Courses: PSY4251 Auditory and Higher Order Language Processing (4 credits): Bernadette Jansma PSY4252 Perception and Attention (4 credits): Peter De Weerd PSY4106 Advanced Statistics I (3 credits): Jan Schepers <i>Practical Training:</i> PSY4119 SPSS I and Lisrel Jan Schepers
	Skills Training: PSY4221 EEG and ERP (2 credits): Fren Smulders
Period 2	Core courses: PSY4253 Neuroimaging: Functional MRI (4 credits): Elia Formisano PSY4254 Sensorimotor Processing (4 credits): Joel Reithler, Amanda Kaas PSY4106 Advanced Statistics I: Jan Schepers <i>Practical Training:</i> PSY4119 SPSS I and Lisrel Jan Schepers
	Skills Training: PSY4227 fMRI (2 credits): Elia Formisano, Federico De Martino
<i>Christmas break</i>	
Period 3	Core course: PSY4216 Noninvasive Brain Stimulation (NIBS) (4 credits): Alexander Sack, Tom de Graaf
	Skills Training: PSY4108 Neuroanatomy (1 credit): Jos Prickaerts
	Workshop: PSY4233 Methods of Deactivation (1 credit): Teresa Schuhmann
	PSY4100 Colloquia (total of 1 credit): Rudy Schreiber
Period 4	Core course: PSY4215 Advanced fMRI (4 credits): Rainer Goebel PSY4255 Brain Connectivity and Connectomics (4 credits): Alard Roebroeck, PSY4107 Advanced Statistics II (total of 3 credits): Gerard van Breukelen <i>Practical Training:</i> PSY4117 SPSS II: Gerard van Breukelen
	Workshop: PSY4231 Real-Time fMRI and Neurofeedback (1 credit): Rainer Goebel, Bettina Sorger
	Skills Training: PSY4228 Diffusion Weighted Imaging and Fibre Tracking (1 credit): Alard Roebroeck
	PSY4100 Colloquia: Rudy Schreiber

Period 5	Core course: PSY4257 Translational Neuroscience: Towards Clinical Applications for Disorders of Consciousness (4 credits): Bettina Sorger PSY4256 Timing Neural Processing with EEG and MEG (4 credits): Fren Smulders PSY4107 Advanced Statistics II: Gerard van Breukelen <i>Practical Training: PSY4117</i> SPSS II: Gerard van Breukelen
	Workshop: PSY4237 Basic Mathematical Methods (2 credits): Giancarlo Valente
	Skills Training: PSY4224 Programming in Matlab Basic Course (2 credits): Giancarlo Valente
	PSY4100 Colloquia: Rudy Schreiber
Period 6	Core course: PSY4257 Translational Neuroscience: Towards Clinical Applications for Disorders of Consciousness: Bettina Sorger
	Workshop: PSY4114 Research Grant Writing Workshop (2 credits): Sebastian Köhler, Ron Handels
	PSY4100 Colloquia: Rudy Schreiber

**Students from Erasmus Rotterdam receive an exemption for PBL Training*

Period	Research Master in Cognitive Neuroscience (CN) Year 2 (2021-2022)
Period 1	Core course: PSY5112 Research Grant Writing Course (3 credits): Sebastian Köhler, Ron Handels PSY5213 The Brain's Engram: Memorising Experiences and Experiencing Memory (4 credits): Vincent van de Ven, Peter de Weerd
	Workshop: PSY5231 Signal Analysis (2 credits): Giancarlo Valente
	Skills Training: PSY5223 Programming in Matlab Advanced Course (1 credit): Giancarlo Valente
32 weeks	PSY5107 Research Proposal, PSY5120/PSY5121 Research Internship & PSY5103 Master's Thesis (50 credits): Gerda Kraag

Overview RM in Neuroeconomics (NE)

Period	Research Master in Neuroeconomics (NE) Year 1 <i>Not offered in 2020-2021 anymore (only Year 2)</i> Specialisation Coordinator: Matthias Wibral
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Period	Research Master in Neuroeconomics (NE) Year 2 (2020-2021)
Period 1	Core course: PSY5112 Research Grant Writing Course (3 credits): Sebastian Köhler, Ron Handels EBC4200 Behavioural Economics (6 credits): Jona Linde
	Skills Training: PSY5223 Programming in Matlab Advanced Course (1 credit): Giancarlo Valente
32 weeks	PSY5107 Research Proposal, PSY5120/PSY5121 Research Internship & PSY5103 Master's Thesis (50 credits): Gerda Kraag

Overview RM in Fundamental Neuroscience (FN)

Period	Research Master in Fundamental Neuroscience (FN) Year 1 (2020-2021) Specialisation Coordinator: Daniel van den Hove
Period 0	Introduction week: PSY4950 Introduction in Problem-Based Learning (training for non-UM students*) (- credits): Wladimir van Mansum
Throughout Year 1	Electives: PSY4161 Elective: Laboratory Animal Sciences (elective) (3 credits): Saskia Seeldrayers PSY4156 Elective: Course OR PSY4157 Elective: Review OR PSY4158 Elective: Research (3 credits each): Vincent van de Ven OR PSY4159 Double Elective: Research (6 credits): Vincent van de Ven OR PSY4160 Double Elective: Review (6 credits): Vincent van de Ven
Period 1	Core courses: ** PSY4311 ** Introduction to Molecular Biochemical Techniques (5 credits): Gunter Kenis <i>Practical Training:</i> PSY4341 Genes and Proteins: Gunter Kenis OR PSY4312 ** Introduction to Psychology (5 credits): Eef Theunissen <i>Practical Training:</i> PSY4353 Measuring Cognitive Functions: Nadia Hutten PSY4313 Neuroanatomy (4 credits): Jörg Mey <i>Practical Training:</i> PSY4344 Mammalian Macro- and Microscopical Neuroanatomy: Jörg Mey PSY4106 Advanced Statistics I (3 credits): Jan Schepers <i>Practical Training:</i> PSY4119 SPSS I and Lisrel: Jan Schepers Workshop: PSY4340 Introduction in Genetics (1 credits): Gunter kenis
Period 2	Core courses: PSY4314 Neurodegeneration (4 credits): Tim Vanmierlo <i>Practical Training:</i> PSY4351 Immunocytochemical Staining of Human Postmortem Tissue and Evaluation of the Staining using the Multihead Microscope: Tim Vanmierlo PSY4315 Biopsychological Neuroscience (4 credits): Jos Prickaerts <i>Practical Training:</i> PSY4343 Neuropsychological Experiment: Jos Prickaerts PSY4106 Advanced Statistics I: Jan Schepers <i>Practical Training:</i> PSY4119 SPSS I and Lisrel: Jan Schepers Workshop: PSY4834 Valorisation (2 credit): Mark Govers, Rudy Schreiber, Jos Prickaerts
<i>Christmas break</i>	
Period 3	Core courses: PSY4320 Neurological Neuroscience (5 credits): Govert Hoogland <i>Practical Training:</i> PSY4347 Genotyping your NMDA Receptor: Govert Hoogland Workshop: PSY4332 Surgery for Intractable Movement and Psychiatric Disorders (1 credit): Ali Jahanshahianvar PSY4100 Colloquia (total of 1 credit): Rudy Schreiber
Period 4	Core courses: PSY4360 Neuroimmunology and Inflammation (4 credits): Mario Losen, Pilar Martinez-Martinez <i>Practical Training:</i> PSY4349 Neuroinflammation: Mario Losen PSY4336 Neuroplasticity and Pain (5 credits): Bert Joosten

	<p><i>Practical Training: PSY4346 Cell Culture: Bert Joosten</i> PSY4107 Advanced Statistics II (total of 3 credits): Gerard van Breukelen <i>Practical Training: PSY4117 SPSS II: Gerard van Breukelen</i></p>
	<p>Workshop: PSY4832 Biomedical Brain Imaging (3 credits): Dennis Hernaus</p>
	<p>PSY4100 Colloquia: Rudy Schreiber</p>
Period 5	<p>Core courses: PSY4323 Psychiatric Neuroscience (4 credits): Daniel van den Hove, Gunter Kenis <i>Practical Training: PSY4352 Western Blotting: Daniel van den Hove, Gunter Kenis</i> PSY4322 Electrophysiology: From Single Cell Activity to ‘Cognitive’ Markers (4 credits): Tjeerd Boonstra PSY4107 Advanced Statistics II: Gerard van Breukelen <i>Practical Training: PSY4117 SPSS II: Gerard van Breukelen</i></p>
	<p>PSY4100 Colloquia: Rudy Schreiber</p>
	<p>Workshop: PSY4373 R for Pathway Enrichment or Drug Repositioning Analysis (1 credit): Ehsan Pishva</p>
Period 6	<p>Workshop: PSY4114 Research Grant Writing Workshop (2 credits): Sebastian Köhler, Ron Handels PSY4371 Psychiatric Epidemiology (1 credit): Wolfgang Viechtbauer</p>
	<p>PSY4100 Colloquia: Rudy Schreiber</p>

**Students from Erasmus Rotterdam receive an exemption for PBL Training*

***PSY4311: This introduction course is required for students with a psychological background. The parallel course PSY4312 is required for students with a biological background. Thus, students enroll in either PSY4311 or PSY4312. The course coordinators of both courses evaluate which of the two courses a student is required to take.*

Period	Research Master in Fundamental Neuroscience (FN) Year 2 (2021-2022)
Period 1	<p>Core course: PSY5112 Research Grant Writing Course (3 credits): Sebastian Köhler, Ron Handels</p>
	<p>Skills Training: PSY4221 EEG and ERP (2 credits): Fren Smulders</p>
	<p>Workshop: PSY5332 Behavioural Tests and Models (1 credit): Jos Prickaerts PSY5333 Advanced Genetics (1 credits): Gunter Kenis</p>
Throughout Year 2	<p>Electives: PSY4161 Elective: Laboratory Animal Sciences (elective) (3 credits): Saskia Seeldrayers PSY4156 Elective: Course OR PSY4157 Elective: Review OR PSY4158 Elective: Research (3 credits each): Vincent van de Ven OR PSY4159 Double Elective: Research (6 credits): Vincent van de Ven OR PSY4160 Double Elective: Review (6 credits): Vincent van de Ven</p>
32 weeks	<p>PSY5107 Research Proposal, PSY5120/PSY5121 Research Internship & PSY5103 Master’s Thesis (50 credits): Gerda Kraag</p>

Overview RM in Neuropsychology (NP)

Period	Research Master in Neuropsychology (NP) Year 1 (2020-2021) Specialisation Coordinator: Sven Stapert
Period 0	Introduction week: PSY4950 Introduction in Problem-Based Learning (training for non-UM students*) (- credits): Wladimir van Mansum
Throughout Year 1	Electives: PSY4156 Elective: Course OR PSY4157 Elective: Review OR PSY4158 Elective: Research (3 credits each): Vincent van de Ven
Period 1	Core courses: PSY4407 Brain Damage (4 credits): Sonja Kotz PSY4408 Behavioural Disorders (4 credits): Michael Schwartz PSY4106 Advanced Statistics I (total of 3 credits): Jan Schepers <i>Practical Training:</i> PSY4119 SPSS I and Lisrel: Jan Schepers
	Skills Training: PSY4434 Basic Cognitive Psychological Skills (3 credits): Eliza de Sousa Fernandes Perna
Period 2	Core courses: PSY4409 Arousal and Attention (4 credits): Pim Heckman PSY4416 Ageing (4 credits): Martin van Boxtel PSY4106 Advanced Statistics I: Jan Schepers <i>Practical Training:</i> PSY4119 SPSS I and Lisrel: Jan Schepers
	Skills Training: PSY4433 Neuropsychological Assessments (2 credits): Max Colombi
<i>Christmas break</i>	
Period 3	Core course: PSY4411 Biopsychology (4 credits): Arjan Blokland
	Skills Training: PSY4108 Neuroanatomy (1 credit): Jos Prickaerts
	PSY4100 Colloquia (total of 1 credit): Rudy Schreiber
Period 4	Core course: PSY4417 Stress, the Brain and Depression (3 credits): Rob Markus PSY4413 Executive Control (4 credits): Peter van Ruitenbeek PSY4107 Advanced Statistics II (total of 3 credits): Gerard van Breukelen <i>Practical Training:</i> PSY4117 SPSS II: Gerard van Breukelen
	Workshop: PSY4435 Human Neuroimaging (3 credits): Peter Stiers, Heidi Jacobs
	PSY4100 Colloquia: Rudy Schreiber
Period 5	Core course: PSY4414 Neuropsychiatric Disorders (3 credits): Inez Ramakers, Willemijn Jansen PSY4107 Advanced Statistics II: Gerard van Breukelen <i>Practical Training:</i> PSY4117 SPSS II: Gerard van Breukelen

	Skills Training: PSY4423 Neuropsychology in Practice: From Test Results to Report and Advice: Caroline van Heugten, Rudolf Ponds PSY4424 Neuropsychological Rehabilitation (total of 2 credit): Caroline van Heugten
	PSY4100 Colloquia: Rudy Schreiber
Period 6	Core course: PSY4415 Neuropsychopharmacology (total of 3 credits): Jan Ramaekers
	Workshop: PSY4335 Psychopharmacology (1 credit): Peter van Ruitenbeek PSY4114 Research Grant Writing Workshop (2 credits): Sebastian Köhler, Ron Handels PSY4371 Psychiatric Epidemiology (1 credit): Wolfgang Viechtbauer
	Skills Training: PSY4424 Neuropsychological Rehabilitation: Caroline van Heugten
	PSY4100 Colloquia: Rudy Schreiber

**Students from Erasmus Rotterdam receive an exemption for PBL Training*

Period	Research Master in Neuropsychology (NP) Year 2 (2021-2022)
Period 1	Core course: PSY5112 Research Grant Writing Course (3 credits): Sebastian Köhler, Ron Handels PSY5411 Cognitive Development (3 credits): Esther Keulers PSY5414 Brain, Learning and Memory (3 credits): Peter van Ruitenbeek
	Workshop: PSY5431 Neuropsychological Assessment in Children (1 credit): Esther Keulers
32 weeks	PSY5107 Research Proposal, PSY5120/PSY5121 (research option) PSY5122/PSY5123 (clinical option) Research Internship & PSY5103 Master's Thesis (50 credits) OR PSY5109 Master's Thesis (30 credits): Gerda Kraag
	PSY5108 Research Proposal Minor's Thesis, PSY5104 Clinical Internship, PSY5111 Clinical Activities Report & PSY5105 Minor's Thesis (20 credits): Gerda Kraag

Overview RM in Psychopathology (PP)

Period	Research Master in Psychopathology (PP) Year 1 (2020-2021): Anne Roefs Specialisation Coordinator: Anne Roefs
Period 0	Introduction week: PSY4950 Introduction in Problem-Based Learning (training for non-UM students*) (- credits): Wladimir van Mansum
Throughout Year 1	Electives: PSY4156 Elective: Course AND/OR PSY4157 Elective: Review AND/OR PSY4158 Elective: Research (5 credits in total): Vincent van de Ven
Period 1	Core course: PSY4511 Anxiety Disorders (4 credits): Marisol Voncken PSY4512 Mood Disorders (total of 4 credits): Frenk Peeters PSY4106 Advanced Statistics I (total of 3 credits): Jan Schepers <i>Practical Training: PSY4119</i> SPSS I and Lisrel: Jan Schepers
	Skills Training: PSY4531 Research Practical Psychometrics (total of 2 credits): Wolfgang Viechtbauer PSY4532 Clinical Skills I: Interviewing Skills (2 credits): Sandra Mulkens PSY4534 Clinical Assessment Instruments (total of 2 credits): Tineke Lataster
Period 2	Core course: PSY4512 Mood Disorders: Frenk Peeters PSY4513 Stress and Trauma (4 credits): Dennis Hernaus PSY4106 Advanced Statistics I: Jan Schepers <i>Practical Training: PSY4119</i> SPSS I and Lisrel: Jan Schepers
	Skills Training: PSY4531 Research Practical Psychometrics: Wolfgang Viechtbauer PSY4533 Clinical Skills II: Diagnostic Test Procedures (2 credits): Cécile Henquet PSY4534 Clinical Assessment Instruments: Tineke Lataster
Period 3	Core course: PSY4521 Bodily Distress Disorders (4 credits): Ann Meulders
	Skills Training: PSY4108 Neuroanatomy (1 credit): Jos Prickaerts PSY4534 Clinical Assessment Instruments: Tineke Lataster
	PSY4100 Colloquia (Total of 1 credit): Rudy Schreiber
Period 4	Core course: PSY4514 Developmental Psychopathology (4 credits): Peter Muris PSY4519 Eating Disorders (4 credits): Anita Jansen PSY4107 Advanced Statistics II (total of 3 credits): Gerard van Breukelen <i>Practical Training: PSY4117</i> SPSS II: Gerard van Breukelen PSY4100 Colloquia: Rudy Schreiber
	Skills Training: PSY4534 Clinical Assessment Instruments: Tineke Lataster
	Workshop: PSY4435 Human Neuroimaging (3 credits): Peter Stiers, Heidi Jacobs
	PSY4100 Colloquia: Rudy Schreiber

Period 5	Core course: PSY4516 Psychosis (4 credits): Dennis Hernaus PSY4107 Advanced Statistics II: Gerard van Breukelen <i>Practical Training:</i> PSY4117 SPSS II: Gerard van Breukelen
	Skills Training: PSY4534 Clinical Assessment Instruments: Tineke Lataster
	Workshop: PSY4542 The Application of Cognitive Methods in Psychopathology Research (1 credit): Katrijn Houben
	PSY4100 Colloquia: Rudy Schreiber
Period 6	Core course: PSY4520 Mental Health and Happiness (total of 3 credits): Madelon Peters
	Workshop: PSY4335 Psychopharmacology (1 credit): Peter van Ruitenbeek PSY4114 Research Grant Writing Workshop (2 credits): Sebastian Köhler, Ron Handels PSY4371 Psychiatric Epidemiology (1 credit): Wolfgang Viechtbauer
	PSY4100 Colloquia: Rudy Schreiber

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Period	Research Master in Psychopathology (PP) Year 2 (2021-2022)
Period 1	Core course: PSY5112 Research Grant Writing Course (3 credits): Sebastian Köhler, Ron Handels PSY5511 Personality Disorders (4 credits): Jill Lobbestael
	Skills Training: PSY5533 Clinical Skills III: Clinical Interviews for the DSM 5 (SCID-training) (1 credit): Lotte Lemmens, Marleen Rijkeboer PSY5523 Clinical Skills IV: Intervention Techniques (2 credits): Lotte Lemmens, Marleen Rijkeboer
	PSY5107 Research Proposal, PSY5120/PSY5121 (research option) PSY5122/PSY5123 (clinical option) Research Internship & PSY5103 Master's Thesis (50 credits) OR PSY5109 Master's Thesis (30 credits): Gerda Kraag
32 weeks	PSY5108 Research Proposal Minor's Thesis, PSY5104 Clinical Internship, PSY5111 Clinical Activities Report & PSY5105 Minor's Thesis (20 credits): Gerda Kraag

Overview of RM in Drug Development and Neurohealth (DN)

Period	Research Master in Drug Development and Neurohealth (DN) Year 1 (2020-2021) Specialisation Coordinator: Rudy Schreiber
Period 0	Introduction week: PSY4950 Introduction in Problem-Based Learning (training for non-UM students*) (- credits): Wladimir van Mansum
Throughout Year 1	Electives: PSY4156 Elective: Course OR PSY4157 Elective: Review OR PSY4158 Elective: Research (3 credits each): Vincent van de Ven OR PSY4159 Double Elective: Research (6 credits): Vincent van de Ven OR PSY4160 Double Elective: Review (6 credits): Vincent van de Ven
Period 1	Core Courses: ** PSY4311** Introduction to Molecular Biochemical Techniques (5 credits): Gunter Kenis <i>Practical Training: PSY4341</i> Genes and Proteins: Gunter Kenis OR PSY4312 ** Introduction to Psychology (5 credits): Eef Theunissen <i>Practical Training: PSY4353</i> Measuring Cognitive Functions: Nadia Hutten PSY4818 Medical Needs & Failures, Target Discovery (3 credits): Rudy Schreiber PSY4106 Advanced Statistics I (3 credits): Jan Schepers <i>Practical Training: PSY4119</i> SPSS I and Lisrel: Jan Schepers
	Workshop: PSY4340 Introduction in Genetics (1 credits): Gunter kenis
Period 2	Core courses: PSY4842 Drug Discovery (4 credits): Arjan Blokland, Harald Schmidt <i>Practical Training: PSY4821</i> Robot-based High-Throughput Screening: Arjan Blokland PSY4106 Advanced Statistics I: Jan Schepers <i>Practical Training: PSY4119</i> SPSS I and Lisrel: Jan Schepers
	Workshop: PSY4834 Valorisation (2 credit): Rudy Schreiber
<i>Christmas break</i>	
Period 3	Core course: PSY4819 Big Data in Drug Discovery & Development (3 credits): Danyel Jennen <i>Practical Training: PSY4822</i> Computer Supported Training in Big Data in Drug Discovery & Development: Danyel Jennen
	Skills Training: PSY4108 Neuroanatomy (1 credit): Jos Prickaerts
	Workshop: PSY4833 Drug Discovery & Development Project Management (1 credit): Rudy Schreiber
	PSY4100 Colloquia (total of 1 credit): Rudy Schreiber

Period 4	Core course: PSY4820 Clinical Development (4 credits): Rudy Schreiber PSY4816 Pharmacoepidemiology, Drug Safety & Pharmaceutical Policy (4 credits): Frank de Vries, Annemariëk Driessen PSY4107 Advanced Statistics II (total of 3 credits): Gerard van Breukelen <i>Practical Training: PSY4117</i> SPSS II: Gerard van Breukelen
	Workshop: PSY4832 Biomedical Brain Imaging (3 credits): Dennis Hernaus
	PSY4100 Colloquia: Rudy Schreiber
Period 5	Core course: PSY4841 Psychiatric Neuroscience: Psychopharmacology (4 credits): Daniel van den Hove, Gunter Kenis <i>Practical training: PSY4823</i> Western Blotting: A Pharmacological Perspective: Daniel van den Hove, Gunter Kenis PSY4322 Electrophysiology: From Single Cell Activity to ‘Cognitive’ Markers (4 credits): Tjeerd Boonstra PSY4107 Advanced Statistics II: Gerard van Breukelen <i>Practical Training: PSY4117</i> SPSS II: Gerard van Breukelen
	PSY4100 Colloquia: Rudy Schreiber
	Workshop: PSY4373 R for Pathway Enrichment or Drug Repositioning Analysis (1 credit): Ehsan Pishva
Period 6	Core course: PSY4415 Neuropsychopharmacology (total of 3 credits): Jan Ramaekers
	Workshop: PSY4114 Research Grant Writing Workshop (2 credits): Sebastian Köhler, Ron Handels
	PSY4100 Colloquia: Rudy Schreiber

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Period	Research Master in Drug Development and Neurohealth (DN) Year 2 (2021-2022)
Period 1	Core course: PSY5112 Research Grant Writing Course (3 credits): Sebastian Köhler, Ron Handels PSY5812 Applied Therapeutics (3 credits): Jan Ramaekers, Paddy Janssen
	Workshop: PSY5332 Behavioural Tests and Models (1 credit): Jos Prickaerts
Throughout Year 2	Electives: PSY4156 Elective: Course OR PSY4157 Elective: Review OR PSY4158 Elective: Research (3 credits each): Vincent van de Ven OR PSY4159 Double Elective Research (6 credits): Vincent van de Ven OR PSY4160 Double Elective: Review (6 credits): Vincent van de Ven
32 weeks	PSY5107 Research Proposal, PSY5120/PSY5121 Research Internship & PSY5103 Master’s Thesis (50 credits): Gerda Kraag

