Appendix 1

Nota bene: The official language of all documents of the School of Science is GERMAN. The following document is an English translation for which no liability is assumed. Only the German version is legally binding.

Module Descriptions

Module Number	**Module Name**	**Responsible Lecturer**
CAN1	Cognitive Neuroscience	Prof. Dr. Thomas Goschke
Contents and Qualification Objectives	The students have deeper understanding and knowledge of theories, models, methods and empirical findings of Cognitive Neurosciences. This includes knowledge of neural correlates and functional principles of memory, attention control, decision-making and cognitive control, and their interaction with emotional and motivational processes. Also, the students acquire the basic knowledge of the computational modelling of cognitive processes (e.g. principles of artificial neural networks). They are able to critically reflect methods, findings and theories from cognitive neuroscience and to apply them to new questions set about practical problems. They have an understanding of philosophical, scientific and ethical aspects of the research area. *General Qualifications:* Self-organisation in learning, comprehension of professional literature in English, ability to present complex content	
Forms of Instruction and Learning	2 SWS lectures 4 SWS seminars 2 SWS advanced seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minute written examination.	
Credit Points and Grades	With this module, 12 credit points (CP) can be acquired. The module grade is the grade of the written examination.	
Frequency of Module	The module is offered once a year, beginning in the winter semester.	
Workload	The total workload for the students is 360 hours.	
Module Duration	Three semesters	

Module Number	Module Name	Responsible Lecturer
CAN2	Psychobiology	Prof. Dr. Clemens Kirschbaum
Contents and Qualification Objectives	The students have deeper insight into the structure and function of the hormone and the immune system. With having paid particular attention to acute and chronic stress conditions, the students have detailed knowledge about the central nervous control in the endocrine processes, the modulation of cognitive performance by hormones, as well as semiochemicals of the immune system. In addition, they know the meaning of genes and gene-environmental interactions for the function of hormonal and immunological processes. They have an overview of modern measurement methods for the determination of hormone levels and different immune parameters and current research results of psychoendocrinological and psychoimmunological studies. *General Qualifications:* The ability to become professional in the field using English-language literature, to present relevant questions in brief, and to hold discussions with critical thinking; the ability to reflect on theories of current empirical findings and to be able to derive their own questions, as well as to classify study results theoretically; The acquisition of skills in the collection and analysis of neurobiologi-	
Forms of Instruction and Learning	2 SWS lectures 2 SWS seminars 2 SWS advanced seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minute written examination.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade is the grade of the written examination.	
Frequency of Module	The module is offered annually, beginning in the winter semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN3	Lifespan Development Neuroscience	Prof. Shu-Chen Li, Ph.D.
Contents and Qualification Objectives	The students acquire fundamental knowledge in the subject area of Lifespan Development Neuroscience. The students know and understand fundamental theories, research methods and central empirical findings from the subject area of Lifespan Development Neuropsychology. They have knowledge about the neuroscientific basis of motivational, emotional, social and personality development over the lifespan as well as the application fields of Development Neuropsychology. On the basis of this knowledge, the students are able to deduce consequences for the design of their own scientific studies on the neurocognitive fundamentals of human development. *Key topics:* Brain development over the life span; neuro-psychological basics of cognitive, motivational and emotional life span development (e.g., brain-behavioural interactions in the development of higher cognitive functions), clinical development neuropsychology (e.g., ADHD, autism, Alzheimer's disease, Parkinson). *General Qualifications:* Self-organization at work, professional proficiency in English as a language of science, good oral and written presentation of complex issues, multimedia use, moderation of group discussions, time management	
Forms of Instruction and Learning	2 SWS lectures 2 SWS seminars 2 SWS advanced seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minute written examination and a presentation or a seminar paper with a workload of 30 hours.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade corresponds to the weighted average of the grades of the examination (70%) and the presentation or the seminar paper (30%).	
Frequency of Module	The module is offered annually, beginning in the winter semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN4	Neurobiology of Individual Differences	Prof. Dr. Alexander Strobel
Contents and Qualification Objectives	The students have knowledge of neurobiological influences on individual differences in temperament, cognition and social behaviour, also with regard to their genetic modulation and their relevance for clinical psychology and psychiatry They have an overview of current research fields in the area of neurobiology of individual differences as well as basic knowledge in the collection and analysis of neurobiological parameters The ability to become professional in the field using English-language literature, to present and critically discuss research questions, have the ability to reflect on theories on the basis of empirical findings, and to develop their own questions for analysing neurobiological parameters. *General Qualifications:* Self-organization at work, literature research, teamwork, as well as the oral and written presentation of complex issues.	
Forms of Instruction and Learning	2 SWS lectures 2 SWS seminars 2 SWS advanced seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 25-minute oral examination.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade is the grade of the oral examination.	
Frequency of Module	The module is offered annually, beginning in the summer semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN5	Cognitive Neuroscience Methods	Prof. Dr. Stefan Kiebel
Contents and Qualification Objectives	The students have fundamental knowledge about research methods and techniques of cognitive neurosciences. This includes knowledge of the physical and neurophysiological fundamentals, application possibilities, evaluation and statistical analysis methods as well as borders and limitations of functional imaging methods such as positron emission tomography and functional magnetic resonance tomography. The students also acquire knowledge about event-related brain potentials and transcranial magnetic stimulation. They gain an in-depth insight into the evaluation of functional imaging data with corresponding software packages, and they are able to interpret results derived from neurosciences for drawing appropriate conclusions and evaluating subject matter critically. They are also able to plan the use of these methods in the context of the studies on specific questions of cognitive neurosciences and they are aware of the limiting factors in the development of corresponding experiments. *General Qualifications:* The ability for self-study, ability to use English-language literature, to present complex issues intelligibly in oral and written form, the use of multimedia, teamwork; to defend and critically evaluate research results and theoretical positions in discussion, as well as to recognize unanswered questions and possible applications.	
Forms of Instruction and Learning	2 SWS lectures 2 SWS seminars 2 SWS advanced seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 25-minute oral examination.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade is the grade of the oral examination.	
Frequency of Module	The module is offered annually, beginning in the winter semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN6	Advanced Statistical Methods	Jun.-Prof. Dr. Stefan Scherbaum
Contents and Qualification Objectives	The students have fundamental knowledge in the field of Complex Multivariate Statistics and cognitive modelling: Students know and understand fundamental theories, research methods and central empirical findings from the subject areas of the modelling of latent variables, the measurement of change, the modelling of inter-individual and intra-individual variability as well as Computational Neuroscience. The students are familiar with the relevant statistics software and are able to perform data analyses independently. They can assess the possibilities of application of the statistical methods including their limits in actual application scenarios. Students possess practical experience in analysing example data on all issues that require the application of the methods conveyed as well as of appropriate statistical software. *General Qualifications:* Self-organisation at work, oral and written proficiency in presenting complex content, multimedia use, time management, statistical thinking in complex structures, problem-oriented software application, method-critical thinking.	
Forms of Instruction and Learning	4 SWS seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minutes written examination.	
Credit Points and Grades	With this module, 6 credit points (CP) can be acquired. The module grade is the grade of the written examination.	
Frequency of Module	The module is offered annually, beginning in the winter semester.	
Workload	The total workload for the students is 180 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN7	Applied Cognitive Neuroscience	Prof. Dr. Alexander Strobel
Contents and Qualification Objectives	The students know the theories, methods and results of selected application fields of Cognitive Neurosciences (e.g. Social Cognition or Neuropsychology). The students are able to apply basic knowledge to practical problems. *General Qualifications:* Skills of self-organisation at work, literature research, teamwork and the moderation of these, as well as time management; the ability to present complex issues in writing or orally both in German or English.	
Forms of Instruction and Learning	6 SWS, including at least 2 SWS lectures and 2 SWS seminars. The courses are to be selected from the study catalogue "Applied Cognitive Neuroscience"; this information will be communicated as usual at the department in beginning of the semester, including the necessary examination requirements. self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	The credit points are acquired by passing the module examination. The module examination consists of three examinations as appointed in the catalogue „Applied Cognitive Neuroscience“.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade corresponds to the arithmetic mean of the grades of the three selected examinations.	
Frequency of Module	The module is offered annually, beginning in the winter semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CANI	Cognitive-Affective Neuroscience Work Practice	Prof. Shu-Chen Li, Ph.D.
Contents and Qualification Objectives	Through the guidance or professionally experienced practitioners/researchers, students become familiar with future work fields in the areas of cognitive-affective neuroscience and developmental neuroscience as well as corresponding working and framework conditions. They have advanced knowledge and skills in the practical implementation of the competencies acquired in the fundamental modules of the Master programme in Psychology. Cognitive-Affective Neuroscience. Further requirements are set in the guidelines for supervised practice periods in the programme Cognitive-Affective Neuroscience	
Forms of Instruction and Learning	At least 6 weeks, or 210 hours of work practice (working for practical or research projects) self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of an ungraded 30-hour work practice report on the supervised practice period, in which the experience of the work practice activities are well documented and critically evaluated. In accordance with subclause 14 (1) of the Examination Regulation, a further requirement for the passing of the module examination is the submission of a work practice certificate (written confirmation of the supervising institution about the completion of the supervised work practice of 210 hours).	
Credit Points and Grades	12 credit points can be earned with the module. The module examination is graded as “passed” or “not passed” in accordance with subclause 12 (3) of the Examination Regulation (PO).	
Frequency of Module	The module is offered every winter and summer semester.	
Workload	The workload for the students is a total of 360 hours, out of with six working weeks, 35 hours each (210 hours) are acquired through the work practice and the rest of the time is spent on organising the work practice, self-study and the preparation of the work practice report.	
Module Duration	One semester	

Module Number	Module Name	Responsible Lecturer
CAN-WP1	Human Factors	Dean
Contents and Qualification Objectives	The students know and understand current psychological insights into the determinants of human action and human performance in socio-technical systems. They are able to introduce procedures for optimising the interaction in and with socio-technical systems and to evaluate their effect as measured. *Key topics:* Leadership and health, cognitive aspects of interaction in socio-technical systems, usability and quality management, ergonomic work place and interface design, interventions for optimisation of the ability to work, health and performance. *General Qualifications:* Assessment, processing and presentation of complex issues, giving and receiving feedback, weighting and processing of diagnostic information, method-critical thinking, proficiency of English as a scientific language.	
Forms of Instruction and Learning	4 SWS lectures 2 SWS seminars (possibility to select lectures in English or German) Self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory elective module for the Master programmes	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of two 30-minute oral examinations. A required preparatory examination is either in a form of a short presentation or a seminar paper.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade corresponds to the arithmetic mean of the grades of the oral examinations.	
Frequency of Module	The module is offered annually, beginning in the summer semester.	
Workload	The workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN-WP2	Occupational Health Psychology	Prof. Dr. Jürgen Wegge
Contents and Qualification Objectives	Students know and understand current psychological knowledge in the field of Occupational Health Psychology. They are able to apply validated methods of stress and workload diagnostics in socio-technical systems and to develop various proposals for health promotion at work places. *Key topics:* Occupational safety, salutogenetic work design, stress management, interventions for the optimisation of health (behavioural and ratio prevention). *General Qualifications:* Cost-benefit thinking and behaviour, critical reflection of research findings and theoretical positions; identification of open questions and possible applications, solving of complex problems.	
Forms of Instruction and Learning	2 SWS lectures 2 SWS seminars self-study	
Participation Prerequisites	According to subclause 6 (6) of the Study Regulation, the module is limited to 30 participants, whereas 15 of these participants are from the Master programme in Psychology: Human Performance in Socio-Technical Systems (HPSTS) and 15 participants are from Master programmes CAN and KPP.	
Usability	The module is a compulsory elective module for the Master programmes CAN, HPSTS and KPP.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 30-minute oral examination. A required preparatory examination is either in a form of a short presentation or a seminar paper.	
Credit Points and Grades	With this module, 6 credit points (CP) can be acquired. The module grade corresponds to the grade of the oral examination.	
Frequency of Module	The module is offered every summer semester.	
Workload	The total workload for the students is 180 hours.	
Module Duration	One semester	

Module Number	Module Name	Responsible Lecturer
CAN-WP3	Clinical Psychology	Dean
Contents and Qualification Objectives	The students are familiar with basic disturbance models and important therapeutic approaches. They understand the therapeutic approach from diagnosis to intervention. They are able to critically reflect current aspects in the basic and application research of Clinical Psychology and Psychotherapy. *General Qualifications:* Reasoned and critical discussion with extensive information.	
Forms of Instruction and Learning	6 SWS lectures self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory elective module for the Master programmes	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minute written examination.	
Credit Points and Grades	A total of 9 credit points are to be awarded. The module grade corresponds to the grade of the written examination.	
Frequency of Module	The module is offered annually, beginning in the winter semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	Two semesters	

Module Number	Module Name	Responsible Lecturer
CAN-WP4	Fundamental Clinical-Psychological Competences	Prof. Dr. Hans-Ulrich Wittchen
Contents and Qualification Objectives	The students have in-depth knowledge about the diagnostic criteria of mental disorders, differential diagnosis and clinical diagnosis methods. They have competences of clinical-psychological conversation techniques and they know the standard methods of diagnostics. *General Qualifications:* Ability to discuss issues in a founded and analytical manner with sharing extensive information and knowing practical procedures, giving and receiving feedback, weighting and processing diagnostic information, language proficiency and interaction skills for diagnostic examinations.	
Forms of Instruction and Learning	4 SWS advanced seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory elective module in the Master programme CAN.	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a seminar paper with a workload of 45 hours and a 90-minute written examination.	
Credit Points and Grades	A total of six credit points are to be awarded. The module grade corresponds to the weighted average of the grades of the examination (70%) and the seminar paper (30%).	
Frequency of Module	The module is offered every summer semester.	
Workload	The total workload for the students is 180 hours.	
Module Duration	One semester	

Module Number	Module Name	Responsible Lecturer
CAN-WP5	Behavioural Epidemiology and Intervention	Prof. Dr. Katja Beesdo-Baum
Contents and Qualification Objectives	The students have good basic knowledge in the field of epidemiology in general and behavioural epidemiology in general. They are familiar with epidemiological concepts and study signals, as well as methods for the detection of behavioural factors, including cognitive-affective factors, in population studies. They know the current findings of descriptive and casual-analytical epidemilogical studies, in particular with regard to the distribution and the course of mental disorders as well as the behavioural and psychological determinants of health and disease. They are able to critically assess epidemilogical literature and draw appropriate conclusions regarding the deduction of concepts for prediction, targeted prevention and early intervention. *General Qualifications:* Self-organisation skills, ability for literature research, team work, time management, critical approach to research questions and embedding in the scientific context, interdisciplinary reflection and knowledge transfer.	
Forms of Instruction and Learning	2 SWS lectures 4 SWS seminars self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory elective module for the Master programmes	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minute written examination.	
Credit Points and Grades	With this module, 9 credit points (CP) can be acquired. The module grade corresponds to the grade of the written examina-	
Frequency of Module	The module is offered every winter semester.	
Workload	The total workload for the students is 270 hours.	
Module Duration	One semester	

Module Number	Module Name	Responsible Lecturer
CAN-WP6	Psychiatry	Prof. Dr. Andrea Pfennig
Contents and Qualification Objectives	The students have basic knowledge in the field of Psychiatry and Psychotherapy as well as in Childhood and Adolescence Psychiatry and Psychotherapy. They are familiar with a plurality of clinical symptoms, including epidemiological characteristics, diagnostics and therapy, as well as the principles of the care of persons with psychiatric disorders.	
Forms of Instruction and Learning	4 SWS lectures self-study	
Participation Prerequisites	none	
Usability	The module is a compulsory elective module for the Master programmes	
Requirements for the Award of Course Credits	Credit points are awarded when the module examination is passed. The module examination consists of a 90-minute written examination.	
Credit Points and Grades	With this module, 6 credit points (CP) can be acquired. The module grade corresponds to the grade of the written examination.	
Frequency of Module	The module is offered annually, beginning in the summer semester.	
Workload	The total workload for the students is 180 hours.	
Module Duration	Two semesters	