



**MASTER'S DEGREE IN
NEUROPSYCHOLOGIC REHABILITATION
AND COGNITIVE STIMULATION**

60 ECTS

13th edition

STUDENT GUIDE

2022-2023

MASTER'S DEGREE IN NEUROPSYCHOLOGICAL REHABILITATION AND COGNITIVE ESTIMATION

**By the
Universitat Autònoma de Barcelona**

(Code RUCT: 4312329)

Master's director
Dr. Alberto García Molina
agarciam@guttmann.com

Fundació Institut Guttman
Camí de Can Ruti, s/n
08916 – Badalona – Barcelona
<https://www.guttmann.com/es>
www.guttmanninnova.com
tel: +34 93 497 77 00

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Institut Guttman Presentation

The Fundació Institut Guttman is a private entity of social initiative, non-denominational, non profit and emerged from the commitment of solidarity of the Catalan civil society, faithful to its humanistic principles and holistic conception of the person, is governed by the founding expressed in its Statutes, the maximum protector is the patronage of the foundation, and it subject to the supervision of the Protectorate of Foundations of the Generalitat de Catalunya.

The Institut Guttman - Hospital de Neurorehabilitació is a referral hospital specialized in medical and surgical treatment and rehabilitation of people with spinal cord injury, acquired brain injury or other major neurological disability. Its MISSION is always to provide the best surgical and specialized rehabilitative medical assistance in a comprehensive, continuous, personalized and with the highest level scientific, technical and human.

The Institut de Neurorehabilitació Guttman have the mission of the development of the academic, scientific and research aspects in the field of neuroscience in general and Neurorehabilitation and technologies of personal autonomy in particular.

The confluence between the hospital center of excellence -and university institute- knowledge center- lets optimize the generation and transfer of new knowledge in this specialized field of science.

The teaching offer from the Guttman Institute contains a wide range of training programs, which aim to contribute to the specialized training of health professionals related to the world of Neurorehabilitation, allowing them to access directly, rigorous and practical to major advances to the diagnosis, technological and therapeutic of this clinical specialty and facilitate its implementation in the health care setting.

As University Institute affiliated with the UAB, all teaching programs and the different specialization courses, after been successfully passed, results in obtaining the corresponding accreditation as an official university degree or as UAB's official degree and as the number and certification of European credits -ECTS-provided in the programs.

General information

Master's name

Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation by the Universitat Autònoma de Barcelona

Orientation

- Professional
- Research

Credits

60 credits ECTS (1.500 hours of which 365 are presential).

Master's duration

From September 2022 to July 2023 (September 19th, 2022)

Classes will be taught from Monday to Friday with a frequency of one week per month. The calendar and dates are published on the information of each of the modules.

Master's price

The price of the Master is 3.820€ per community students and 7.320€ per non-UE students. In the case that the price Decree, approved by the Generalitat de Catalunya in the months of June-July of each year, undergoes great variations, the price of enrollment could vary. Any change will be communicated to the admitted students.

Teaching methodology

The teaching methodology and the proposed evaluation may undergo some modification depending on the restrictions on attendance that the health authorities impose.

Material resources and services

The Institut Guttman has all the management services for the proper functioning of any company: management, administration, general services, communication, human resources, computing, prevention, etc. as well as the clinic-care services of a hospital: Medical area, nursing, functional rehabilitation, Neuropsychosocial, etc. You can find more information on the website:

<https://www.guttman.com/en/organos-gobierno>

Teaching Secretary

The Teaching Secretary of the Institut Guttman is the responsible of coordinating the processes of the academic management of the students, as well as the assessment and management of the general procedure for the access to the UAB, grants, tuition payment amounts and expeditons of academic degrees, etc.

e-learning-Guttman platform

The Master uses an additional teaching platform to support learning and communication between students and teachers. It contains teaching guides for each of the modules, scripts and class recommended bibliographic references, e-mail contact with the coordinators and teachers and forums where students and teachers have the opportunity to maintain contact outside classroom hours.

Classrooms

We have two classrooms with capacity for 30 people and another classroom for 100 people. All of them have projector, computer, internet connection ADSL, WiFi, screen, microphone, speakers, etc.

Documentation Center

The "Documentation Center on Neurorehabilitation - Santi Beso Arnalot*" is a Institut Guttman's initiative that makes available to people interested in Neuroscience and Neurorehabilitation in particular, the documentation necessary to deepen this area of science.

You may check, in person or electronically, publications, audiovisual material and databases, both national and international, most relevant to the field of medicine. The documentation center provides health or bioengineering professionals, students, affected people and other groups the following services:

- Reference and guidance service.
- Bibliographic information service.
- Consultation of the document collection (periodicals, monographs).
- Consultation of the biomedical databases.
- Elective diffusion of the information service.
- Access to the Internet-Wi-Fi red service.
- Documents obtaining service.
- Legislative, health and social information service.

Currently we have 14 points of reading, 3 computers, one photocopier, scanner 1, interlibrary loan service and Wi-Fi.

We have 869 books and pamphlets, 804 volumes of paper journals, 338 volumes of electronic journals and 21 doctoral thesis. We are subscribed to 21 magazines, including 15 electronic accesses and 6 in paper.

Access to free databases:

Medline, Cochrane Library Plus, IBECS (Spanish Bibliographical Index in Health Sciences) Trip Database

And we facilitate access to Web Science.

<https://www.guttman.com/en/centro-documentacion-santi-beso-arnalot-santi-beso-arnalot-documentation-centre>

Restaurant service

The Institut Guttman has a self-service restaurant, a coffee bar with terrace, lounge / dining room and a kitchen with microwave and a washing office to clean the tools used for eating.

The students who do the meals at the self-service restaurant, the days that have theoretical classes programmed on the teaching guides, will have discount tickets, which can be requested at the teaching secretary.

UAB student card

The UAB card is a tool for identification and accreditation only to members of the university community, which provides free access to the various services of the University.

Once you are enrolled, we will send your information to the UAB and we will inform you of the procedure to request the card.

Language

The Master is taught in Catalan 50%, Castilian 40% and English 10%. At the beginning of the Master, if there are students who do not speak the Catalan language, teachers taught their classes in Castilian, but as the course progresses and when the students begin understanding the language, classes might be taught in Catalan. The scientific literature generally, is published in English and some visiting teachers may offer their class or lecture in that language. The UAB has a "Plan for Languages", aimed at the students. You can find more information at the following link:

<https://www.uab.cat/web/uab-languages-1345709197130.html>

How to arrive to the Institut Guttman

Accessing to the following link, you will find the google-maps map that teaches different routes to arrive to the Institut Guttman and guides of the different public transport in Barcelona and Badalona.

<http://www.guttman.com/es/como-llegar>
<http://www.tusgsal.cat/cast/servicio-de-autobus/can-ruti-barcelona.html>

Accommodation

Accessing to the following link, you will find information about accommodation that could be of your interest:

<https://siidon.guttman.com/es/oportunidades/vivienda>

Job board

One of the quality objectives of our Master's Degrees is to promote impulse the work integration of the graduates, which is why we have designed a [Job Board](#), which aims to facilitate contact between professionals trained in this field of knowledge and companies or entities that need them.

Information and contact

For any other information you can contact:

Fundació Institut Guttman
Teaching Secretary
Camino de Can Ruti, s / n, 08916 Badalona
Tel: +34 934977700 ext 2360 / 2350
Fax: +34 934977715
E-mail: docencia@guttman.com
www.guttman.com
www.guttmanninova.com

Access to the studies

Income profile

The Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation offers an advanced training program that is aimed at the university professionals in the field of health and life sciences, who want to improve their knowledge and skills in cognitive treatment and rehabilitation, as well as start researching the results of new cognitive stimulation technologies.

The students of this Master must be people motivated by teamwork, with logical reasoning ability, interest in scientific and technological advances, and with the ability to work in an organized and methodical manner, and to value quality at work. A good level of English is also recommended, although not essential to access to the Master.

Admission requirements

Have an official Spanish or foreign degree, preferably in the knowledge related to health and sports sciences: graduated in medicine, Psychology, Physical Activity and Sports Sciences and graduated in Nursing, Physiotherapy, Occupational Therapy, Speech Therapy, Social Work, Special Education or Physical Education Specialized Master and other related qualifications.

Selection criteria

The criteria and selection requirements for the U. Master in Neurorehabilitation are included in the SIQuA PC1 Definition of the admission profiles and access to the studies.

If the number of registrants exceeds the number of places offered, the adjudication of places will be made according to the following selection criteria. The Teaching Committee will assess (based on 10 points) the candidate's request according to the following criteria:

- Curriculum, from which the following aspects will be evaluated:
 - Previous professional experience in the field of rehabilitation and disability. Each year of experience is valued with 1 point up to a maximum of 5 years.
 - Previous training linked to the Master (assistance and / or participation in postgraduate courses, conferences, congress, publications and training stays). Each training action carried out by the candidate will be valued with 0.5 points up to a maximum of 10 activities. All the participations or publications must be justified with a copy of the participation certificate or the publication.
- Average grade of the academic file of the degree that gives you Access to the Master.

The Teaching Committee uses a grid where it values and punctuates the 3 parameters of each one of the applicant students and we confer the values of 60% for work experience in the field of rehabilitation and disability, 20% for specific training in this area and 20% for the average grade of the academic record of the degree that gives you access to the master.

Likewise, the candidate will present a personal letter addressed to the Master's Coordinator, explaining his experience in the field, his professional interest and his expectations at the end of the studies.

Admission entity

The admission will be resolved by the UAB Rector's at the proposal of the Teaching Commission of the Institut Guttman.

Admission periods

There will be three admission periods established:

- The students who have been preregistered between February 01st and March 31st will receive the admission resolution at the end of April.
- The students who have been preregistered between April 01st and May 31st will receive the admission resolution at the end of June.
- The students who have been preregistered between June 01st de and July 13th will receive the admission resolution at the end of July.
- Students who have been preregistered in the extraordinary period that end on 31st August will receive the admission resolution at the latest on September 04th.

Preinscription and enrollment

Preinscription

The Master's preinscription should be done on-line in the UAB's web site.

<https://www.uab.cat/web/estudiar/official-master-s-degrees/general-information-1096480962610.html?param1=1267708299001>

You must read the instructions carefully before registering:

- Check that you meet the admission requirements
- That you have the documentation to access. The documentation requested must be scanned and uploaded in the pre-inscription application.

Obligatory documentation:

- Grades certificate of the academic file of the degree that gives you Access to the Master
- University degree / Substitution certificate of the university degree (if studies have already been completed)
- Curriculum Vitae
- Accreditive documentation of the training in the scope of the Master (courses, seminars, workshops) included in the CV
- Motivation letter
- B1 Certificate of Spanish (only candidates from non-Spanish speaking countries)
- Certificate issued by the University in which it is detailed that de university studies give access to the realization of a Master (only candidates with degrees obtained outside Spain)

In case you can't deliver this documentation in the established period, or if you want to modify the presented information, you can send the documentation to the Teaching Secretary through the mail docencia@guttman.com

The Master's Committee can request a certificate issued by your origin University, which includes the studies presented as access to the Master.

Admission

Once the selection of the candidates has been made, you will receive a letter via e-mail from the Teaching secretary of the Institut Guttman, where you will be informed of the admission resolution.

Place reservation

If you have been admitted, you must formalize the reservation of the place. To do so, you must make a transfer to the Institut Guttman account, which we will indicate in a timely manner, of 500, 1.000 or 1.5000€ (you must choose an amount between the three options) as pre-enrollment and according to your interests.

This amount will be deducted from the final amount of the registration, it isn't returnable in case of not formalizing the enrollment and can't be transferred to another course. If this reservation is not made in the established period, we reserve the right to assign the place to another applicant.

Documentation for the Master matriculation

Your final admission to the Master will be subject to the verification of the documentation that you have submitted.

If you are a new access student, you must deliver to the Institut Guttman Teaching Secretary:

1. Pre-enrollment formulary completed and signed (scanned document).
2. Identity document valid at the time of matriculation (scanned document).
3. Certified / legalized photocopy of the degree that gives you access to the Master or official academic certificate that accredits the expedition (by ordinary mail).
4. Certified / legalized photocopy of the official academic certificate of the studies that gives you access to the Master, which includes the period in academic years of the degree, the courses taken, the Credits and the obtained grades (by ordinary mail).
5. A color photography.
6. If you are 28 years old or older and have not taken out the complementary insurance, you must submit an original and copy of an insurance that covers Health care, accidents and civil liability in the Spanish State.

If you access to the Master with a degree obtained at a foreign university, you must know that:
The documentation referring to the degree and academic certificate issued by a European Union Institution, signatory of the Agreement on the European Economic Area and Switzerland, must be official and have been issued by the competent authorities.

The documentation referring to the degree and academic certificate issued by institutions of non-EU countries must be official, must have been issued by a competent authority and must be legalized through diplomatic channels or, by means of the Apostille of the Hague Convention or of the Andrés Bello Agreement.

Translation of documents issued abroad:

All documentation issued in Catalan, Spanish or English is accepted. About the documentation issued in French, Italian or Portuguese, the translation can be processed in the Language service of the UAB. The interested person must take care of the charge of this management and the expenses that it entails. In all other cases, the corresponding translation must be attached to Catalan, Spanish or English and have to be made by a sworn translator, by a diplomatic or consular representation of the Spanish State abroad or by an diplomatic or consular representation in Spain of the country which the applicant is a national.

If you have formalized the enrollment in the previous academic courses:

1. Pre-enrollment formulary completed and signed (scanned document).
2. Documento de identidad vigente en el momento de la matrícula (Documento escaneado).

If you want to formalize part-time enrollment:

If you decide not to enroll in an entire course, you can apply for the part-time enrollment regime. The authorization is automatic, and it is not necessary to provide any supporting documentation. If after you have started the academic year you want to request a dedication regime change, consult the academic calendar to do this process. For more information, consult the UAB Permanence System.

Enrollment

If you have been admitted to the Master, you will receive the pre-enrollment form in July, which you must return us filled out and signed. In this sheet you will inform us about the modules you are enrolling in this edition, the orientation that you will be taking and the type of registration you will be able to access (of you have free services, scholarships, etc.)

If you have requested a scholarship from the Ministry or have a free service, you must send us the supporting documents so that you can be exempt from the payment of the official academic services until the resolution of the scholarship, if applicable.

Then we will send you the formal registration of the Master.
The enrollment period will be from July 4th to September 12th, 2022.

Payment

The enrollment payment should be made by transfer to the account that you will see indicated on the enrollment sheet:

1. In a single payment: the enrollment fee will be paid once the registration is formalized and the latest, on August 12th, 2022.
2. In three payments, only if you formalized the enrollment before August 13th. 30% of the amount of the Credits enrolled, plus the total of the compulsory and optional administrative services, from the same day you formalize the registration and the latest on August 12th. Another 30% before October 16th and the remaining 40% before December 11th, 2022.

Aid, grants and calls

The UAB "[Aid, grants and calls](#)" engine portal offers up-to-date information about the aid, grants and calls for the university community. You can filter the search by official Master's aids. The portal not only includes all the aids offers by the UAB, but also includes come aid from other institutions that may be of your interest.

Procedures for foreign students

If you are a foreigner student, through the following links, you will find the necessary information to formalize your stay in our country.

<https://www.uab.cat/web/mobility-international-exchange/mobility-international-exchange-programmes/types-of-visa-1345671997933.html>

If you are a European Union student:

<https://www.uab.cat/web/study/graduate/official-master-s-degrees/legal-procedures-for-students-from-the-european-union-1345666815170.html>

Health coverage for European union students:

<https://www.uab.cat/web/study/undergraduate/admission/health-coverage-for-european-union-citizens-1345666835633.html>

If you are a non-EU student:

Notifications:

<https://www.uab.cat/web/study/graduate/official-master-s-degrees/notifications-for-students-from-outside-the-european-union-1345666815200.html>

Types of visa:

<https://www.uab.cat/web/mobility-international-exchange/mobility-international-exchange-programmes/types-of-visa-1345671997933.html>

Residence permit:

<https://www.uab.cat/web/study/graduate/official-master-s-degrees/residence-permit-1345666815230.html>

Formative objectives

The Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation aims to train professionals capable of performing evaluation tasks and neuropsychological rehabilitation in patients with cognitive impairment derived from acquired brain injury, dementia, aging, mental health and alterations in the different disorders of child development, while generating new therapeutic strategies and transmit the knowledge obtained.

The Master has a professional orientation for those students who want to acquire specific skills in the assistance and neuropsychological rehabilitation of people Acquired Brain Injury and a research orientation for those who want to advance in the scientific knowledge of cognitive rehabilitation.

Competencies

Upon completion of the Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation, the student will be able to:

1. Demonstrate understanding of current models and theories about the relationship between the central nervous and cognitive abilities.
2. Design therapeutic plans from the critical and analytical study of the profiles of neuropsychological affectation that are obtained from the administration of diagnostic assessment instruments and the interpretation of their results.
3. Use current cognitive intervention strategies.
4. Evaluate the impact on the functions treated in a specific way.
5. Generate new ideas based on scientific evidence and design innovative therapeutic strategies.

Studies plan

The Master is structured in 60ECTS distributed over an academic year and has a professional orientation for those who want to acquire specific skills in the assistance and neuropsychological rehabilitation of people with Acquired Brain Injury and a >research orientation for those o, in addition, want to advance in the scientific knowledge of Cognitive Rehabilitation.

In the first semester, there will be taught 3 common modules of academic training and practical demonstration (30 ECTS)

In the second semester there will be taught a practices module of 15 ECTS to students of professional profile, it will help the to deepen the understanding and application of specific skills in the assistance and neuropsychological rehabilitation of people with Acquired Brain Injury and the student with a research profile will advance in the scientific knowledge of Cognitive Rehabilitation.

MODULES	PROFESSIONAL ORIENTATION	RESEARCH ORIENTATION
Advances in Neuropsychological Rehabilitation and Cognitive Stimulation	10	
Neuropsychological Rehabilitation and Cognitive Stimulation in in the acquired brain injury alterations	10	
Strategies of Neuropsychological Rehabilitation and Cognitive Stimulation in Pathologies with Neuropsychological affectation	10	
Professional Practicum	15	
Research Practicum		15
Master's Final Project	15	
Total	60	

Teaching team

The Master's degree in Neurorehabilitation teaching team is made up of clinical professionals and researchers with extensive experience in the field of Neurorehabilitation, among others:

- **Dr. Albert García Molina.** Doctor in Psychology. Specialist in Neuropsychology at the Institut Guttman.
- **Dra. Rocio Sánchez-Carrión.** Doctor in Psychology. Specialists in Neuropsychology. Institut Guttman
- **Dr. Pablo Rodríguez.** Doctor in Medicine. Specialists in Neuropsychology. Institut Guttman
- **Mrs. Antònia Enseñat Cantalops.** Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation. Licensed in Psychology. Specialists in Neuropsychology. Institut Guttman.
- **Dra. Eulàlia Solís.** Diploma in Psychology. Institut Guttman.
- **Dra. Barbara Segura Fabregas.** Doctor in Psychology - UB. Expert in Clinical Neuropsychology. Biomedical Research Center Consortium of Mental Health Area.
- **Dra. Beatriz Castaño Monsalve.** Doctor in Medicine. Specialist in Psychiatry at the Institut Guttman.
- **Mrs. Beatriz González Rocamora.** Diploma in Speech Therapy. Institut Guttman.
- **Dr. Celeste Aparicio López.** Doctor in Psychology. Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation. Specialist in Neuropsychology.
- **Dr. Cynthia Cáceres Aguilar.** Doctor in Clinical Psychology. Specialist in Neuropsychology by the Chicago Medical School. Hospital Germans Trias i Pujol.
- **Dr. Ignasi Morgado Bernal.** Professor of Psychobiology in the Institut de Neurociència de la UAB.
- **Dr. Jordi Obiols Llandrich.** Professor of Psychopathology of the UAB. Specialist in Psychiatry. Coordinator of the Third Circle of the Psychology Department Clinic and Health
- **Dr. Jordi Ortiz Gil.** Doctor in Neurosciences by the UB. Hospital General from Granollers, CIBERSAM.
- **Dr. Josep M. Tormos Muñoz.** Doctor in Medicine. Coordinator of Research. Institut Guttman.
- **Mrs. Judith Ejarque Grau.** Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation. Graduated in Speech Therapy. Institut Guttman.
- **Dra. Marina Altés Magret.** Doctor in Psychology. Clínica Psicológica UB.
- **Dr. Raúl Pelayo Vergara.** Doctor in Medicine. Specialist in Neurology. Institut Guttman.
- **Dr. Xavier Caldú Ferrús.** Doctor in Neurosciences. Department of Psychiatry and Clinical Psychobiology Clínica of the UB.
- **Mrs. Montserrat Martinell Gispert-Sauch.** Master's Degree in Neuropsychological Rehabilitation and Cognitive Stimulation. Diploma in Speech Therapy. Institut Guttman.
- **Mrs. Anna de Pobes.** Diploma in Occupational Therapy. Institut Guttman
- **Dra. Olga Bruna Rabassa.** Doctor in Psychology. Universitat Ramon Llull.
- **Dra. Sara Signo Miguel.** Doctor in Psychology. Universitat Ramon Llull.
- **Dra. Carla Torrent Font.** Doctor in Psychology. Neuropsychologist. H. Clínic.
- **Dr. David Bartrés Faz.** Doctor in Psychology. Universitat de Barcelona.
- **Sra. Natàlia Picó Azanza.** Licensed in Psychology. Neuropsychologist.

M01. - Advances in Neuropsychological Rehabilitation and Cognitive Stimulation

Code: 42193

Coordinator: Dr. Alberto García

Mail: agarciam@guttmann.com

Dates: from September 19th to 23th and from October 17th to 21st, 2022

Schedule: From 9h to 17h with one hour for lunch

Objectives:

Study the advances in neuroscience referred to the field of Neuropsychological Rehabilitation. Plasticity of the connections between bodily functions and the brain. Variables that have changed to neuropsychological recovery. Current trends in techniques and tools for diagnostic exploration and evaluation and their contributions to Neuropsychological Rehabilitation and Cognitive Stimulation. The evaluation for rehabilitation purposes and the results in Neuropsychological Rehabilitation and Cognitive Stimulation.

Workload:

10 ECTS: equivalent to 250 hours of student work, of which 70 h are on-site.

Content's description:

- Current studies on neuropsychological rehabilitation. Variables that contribute to neuropsychological rehabilitation: past, present and future.
- Diagnostic techniques and their contributions to neuropsychological rehabilitation and cognitive stimulation.
- Pathologies associated with cognitive deficit. Results in neuropsychological rehabilitation and cognitive stimulation.

September - 2022						
MON	TUES	WED	THURS	FRI	SAT	SUN
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19	20	21	22	23	24	25
26	27	28	29	30		

October - 2022						
MON	TUES	WED	THURS	FRI	SAT	SUN
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

M02. - Neuropsychological Rehabilitation and Cognitive Stimulation in the acquired brain injury alterations

Code: 42195

Coordinator: Dra. Rocío Sánchez-Carrión

Mail: rsanchezcarrion@guttmann.com

Dates: from November 21th to 25th and from December 12th to 16th, 2022

Schedule: From 9h to 17h with one hour for lunch

Objectives:

Deepen the knowledge of cortical reorganization mechanisms in Acquired Brain Injury. Specific evaluation techniques and instruments. Analysis and design of personalized therapeutic strategies that allow the development of new capacities or the functional recovery of the injured nervous system. Planning the cognitive intervention programs in Acquired Brain Injury and monitoring of results.

Workload:

10 ECTS: equivalent to 250 hours of student work, of which 70 h are on-site.

Content's description:

Neuropsychological Rehabilitation and Cognitive Stimulation in:

- Attention - Basic processes and subcomponents. Neurobiological advances. Attention Functions. Theories of Rehabilitation. Neuroanatomical, neuropsychological and neurofunctional structure. General and specific evaluation tools. Therapeutic strategies.
- Praxis and gnosis – Classification. Neuroanatomical study. Neuropsychological evaluation. Methods and strategies in rehabilitation. Application of new technologies.
- Language. Advances in the knowledge of language and its alterations. Brain language: neurological study. Explorations: Semi-technology and aphasic semiology. Cognitive explorations. Treatment strategies. Neuropharmacology. Study of cases.
- Memory – Cognitive models, development and pathology. Anatomy and connectionists models. Use of the main batteries and neuropsychological evaluation test. Patterns of affection. Rehabilitation strategies. Psychopharmacology Influence of drugs.
- Executive functions – Theories and models of executive functions. Work memory and executive functions. Dysexecutive syndrome. Neuropsychological evaluation of executive functions. Cognitive intervention. Application of new technologies. Pharmacology.

November -2022							December - 2022						
MON	TUES	WED	THURS	FRI	SAT	SUN	MON	TUES	WED	THURS	FRI	SAT	SUN
	1	2	3	4	5	6				1	2	3	4
7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30					26	27	28	29	30	31	

M03- Strategies of Neuropsychological Rehabilitation and Cognitive Stimulation in Pathologies with Neuropsychological affectation

Code: 42194

Coordinator: Dr. Pablo Rodríguez

Mail: prodriguez@guttmann.com

Dates: from January 16th to 20th and from February 13th to 17th, 2023

Schedule: From 9h to 17h with one hour for lunch

Objectives

Study the mechanisms of cortical reorganization in mental pathologies, mild cognitive impairment, dementias and in the child population. New technologies in the diagnostic evaluation of cognitive, behavioral and emotional disorders. Approach strategies from a neurobiological, psychological and social perspective. Planning of cognitive intervention programs and monitoring of results.

Workload:

10 ECTS: equivalent to 250 hours of student work, of which 70 h are on-site.

Content's description:

- Intervention in the behavioral and emotional alterations in brain injury. – Behavioral and emotional changes. Neurobiology, behavior and emotion. Advanced study of behavioral and emotional problems. Neurological processing of behavior and emotion. Modification of behavior. Attention to families. Management of the environment. Social skills. Associationism. Pharmacology.
- Neuropsychological Rehabilitation and cognitive stimulation in mental health. Neurobiology and neuroanatomy. Neuropsychological affectation of patients with mental pathology. Schizophrenia. Bipolar disorder. Obsessive compulsive disorder. Acquired Brain Injury. Behavioral alterations. Intervention and rehabilitation programs. Psychopharmacology. Exploration, diagnosis and rehabilitation.
- Neuropsychological intervention in children. Neurobiological development of the brain. Main neuropediatric syndromes that present with cognitive impairment. Child assessment techniques. Pediatric pharmacology. Intervention strategies in child neuropsychological rehabilitation.
- Cognitive stimulation in aging and dementia. Study of aging and dementias. Mild Cognitive Impairment and its differential diagnosis with dementias and normalcy. Advances in the diagnosis of dementias. Neuropsychological rehabilitation. Cognitive stimulation techniques.

January - 2023						
MON	TUES	WED	THURS	FRI	SAT	SUN
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February - 2023						
MON	TUES	WED	THURS	FRI	SAT	SUN
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

M04. -Professional practicum

Code: 42198

Coordinator: Dra. Rocío Sánchez-Carrión Abascal

Mail: rsanchezcarrion@guttmann.com

Objectives:

The practicum supposes the immersion of the student during a period of 5-6 weeks in the activities of evaluation, planning, diagnosis and treatment of the different processes of Neuropsychological Rehabilitation of the Institut Guttman, to know directly, integrate the theoretical knowledge in real contexts and acquire their own criteria in relation to the rehabilitation of cognitive functions.

Workload:

15 ECTS: equivalent to 375 hours of student work, of which 210 h. are on-site

Practicum planification:

Each student will maintain a tutorship before the practices with the Master's coordinator team to determine the ambit in which they will be developed. It is necessary to request the previous tutorship to specify day and time: docencia@guttmann.com

From the Master's coordination they will assign a tutor and will agree the period and schedules of the practices.

In the student guide and in the Master's intranet, students will be able to consult the different practices programs that are offered annually.

M05. -Research practicum

Code: 42197

Coordinators: Dr. Alberto García Molina / Dr. Alejandro García Rudolf

Mail: agarciam@guttmann.com / agarciar@guttmann.com

Objectives:

The practicum supposes the immersion of the student during a period of 5-6 weeks in the activities of valuation, planning, diagnosis and treatment of Neuropsychological Rehabilitation of the Institut Guttman, in order to know directly, integrate the theoretical knowledge in real contexts, begin in the practice of research and acquire their own criteria in relation to rehabilitation and research of cognitive functions.

Workload:

15 ECTS: equivalent to 375 hours of student work, of which 210 h. are on-site

Practicum planification:

Each student will maintain a tutorship before the practices with the Master's coordinator team to determine the ambit in which they will be developed. It is necessary to request the previous tutorship to specify day and time: docencia@guttmann.com

From the Master's coordination they will assign a tutor and will agree the period and schedules of the practices.

In the Institut Guttman, the generation and transfer of knowledge in the field of Neurorehabilitation is carried out from the systematization of the clinical act and methodological rigor. The systematics of the care act become as a continuous clinical research exercise that stimulates the generation of knowledge, while at the same time it promotes the permanent improvement of quality of care of the services offered by the hospital.

The student will make the practical stance in the agreed area and, guided by the tutor, will know and practice the activities of evaluation, diagnosis and treatment of physical and / or cognitive alterations to understand the process of transferring clinical activities in research studies that are being made. The student will also work with the tutor in the sessions of research groups that have been scheduled.

In the student guide and in the Master's intranet, students will be able to consult the different practices programs that are offered annually.

M06. - Master's Final Project

Code: 43192

Coordinators: Dr. Alberto García Molina / Dr. Josep M. Tormos Muñoz

E-mail: agarciam@guttman.com / investigacio@guttman.com

Workload:

15 ECTS: equivalent to 100 hours tutorship, 275 h de hours of student work, preparation and defense of the Master's Final Project.

Content's description:

The student must develop and present publicly a scientific project updated and adequately referenced on any of the clinical or research topics taught during the Master. The student will have an assigned academic tutor who will guide and supervise their project. It can be any professor of the theoretical classes or one of the practices tutors. The project must follow some rules of editing and presentation that are included in the student guide of the module.

The student of the professional orientation will develop and present an original project that demonstrates their understanding, analysis and integration of the advances in Neuropsychological Rehabilitation, intensifying the necessary aspects of methodology organization and, intervention programs, evidence on efficacy to favor therapeutic innovation in the professional field as a tool for approaching healthcare excellence.

The student of the research profile will develop and present an original project that aims to identify the paradigms of study of cognitive functions and their development, identify post-injury alterations or the delays of acquisition, design strategies to promote the acquisition or development and transfer these strategies to a framework of interaction through a computer.

On the intranet of the Master, students can consult the different research programs that are offered annually, as well as the regulations for the preparation and public defense of the TFM. In addition, they must present the description, analysis, discussion and elaboration of conclusions of a set of data from an experimental work.

Fund of research projects

With a previous authorization of the authors and respecting their intellectual property right, a copy of the Master's Final Project will be included in the Documentation Center of the Institut Guttman, so that they can be consulted by the rest of the professionals and students with research and teaching exclusively purposes.

Module's evaluation process

The evaluation of the subjects will be done continuously including class attendance, practices, participation in seminars and directed activities, preparation of papers, summaries, reports and the tasks of each module.

In each module, the student's degree of achievement of the learning objectives will be evaluated. The activities and evaluation calendar will be indicated in each of the teaching guides of the different modules. As general criteria we can say that passing the module will consider:

- The evaluation of each module will consist of at least three evaluation activities, of at least two different types, distributed throughout the course. None of them can represent more than 50% of the final grade of the module. Except for the modules of external practices and Master's Final Project.
- In each teaching guide, the review process and the recovery procedure and criteria will be explained.

Academic rules

This document recognizes the fundamental aspects of the regulations and academic procedures of the UAB about the Master's degree studies. You can find the complete regulation in the following link:

<https://www.uab.cat/web/study/undergraduate/academic-information/academic-legislation-1345670077670.html>

Rules on continuation of studies

Permanency regime is understood as the set of rules that requires to the students to perform a series of minimum academic performance requirements, the failure of which results in the suspension of their enrollment. The rules of permanence are approved by the Social Council of the UAB.

To formalize the enrollment in an academic year, the requirements established in the UAB Permanence System for each type of study must be overcome.

Dedication regime / Maximum and minimum enrollment credits

The permanency regime of the UAB establishes that students can formalize the enrollment with full-time or part-time dedication.

- If you choose full-time enrollment, you must register for a minimum of 60 credits and a maximum of 78 credits per academic year.

If you choose part-time enrollment, you must register for a minimum of 30 credits and a maximum of 42 credits per academic year.

Years of permanence

The master students have three years to complete the master studies of 60 credits and four years if they enroll in training complements. In the case of masters between 90 and 120 credits, students with full-time dedication have four years to complete their studies, and those with part-time dedication have an additional year.

Recognition of credits

It is understood as recognition, for the purposes of calculating credits for obtaining an official degree, the acceptance by the Institut Guttman of the credits obtained in official university

studies previously passed, in other official higher education, in university education leading to the obtaining other degrees, and in university activities not programmed in the current study plan. Credits may also be recognized through accredited work and professional experience.

Application procedure:

- The student must request the recognition of credits, in the periods established in the Master's academic calendar, accompanied by the documentation that is related below:
 - Personal academic certification, European Supplement of the degree or certified photocopy of the academic record that contains the training achieved, the academic year and the qualifications.
 - Receipts of the payment of the corresponding public prices, if applicable
 - Teaching guide of the module or subjects that contains the competences, the associated knowledge and the number of credits or of hours or weeks by semester or year, with the stamp of the corresponding center of origin.
 - Curriculum or table of subjects or modules required to achieve the previous teachings, issued by the center of origin with the corresponding stamp.
 - Any other documentation deemed appropriate to process the request.
- The credit's recognition request can be submitted afterwards, justifying the successful completion of new training content not provided in previous applications.
- Both the proposal and the recognition resolution must specify the modules or subjects considered recognized, which student is exempt from taking.

Resolution procedure

- The applications are reviewed by the academic management of the Institut Guttman, which checks that the documentation presented is correct.
- Before issuing the proposal, the audience procedure can be opened, in which new documents or elements of judgment can be provided or the corresponding allegations can be made.
- The Master's Direction issues and resolves the resolution proposal.
- The academic management notifies the interested student of the resolution by any means that allows to have proof of receipt.

The students who have obtained the recognition of credits, for reasons of studies or activities carried out in any university center, will pay the amount established by the Decree of public prices of the Generalitat de Catalunya.

Enrollment documentation

The presentation of the required documentation will be an essential condition for the management of the academic record, for the formalization of a new registration or modification of the registration and / or the application of any academic service.

Cancellations of the enrollment and of the subjects and modules

- The center's direction will authorize the total or partial cancellation of the enrollment, if the application is submitted within the deadline set for that purpose by the academic calendar. In justified exceptional cases, the cancellation of the enrollment may be requested after the established deadline.
- Once the cancellation of the enrollment is granted, it will be applied immediately in the academic record, having the same consideration as if the student had not enrolled, and can not be waived in any case.

- The student will only be entitled to a refund of the public price for the provision of university academic services if:
 - For reason that are not attributable to the student, the activity is not performed, or the service is not provided.
 - The student justifies serious illness, accident or any other exceptional circumstance.
 - During the reassignment process, the Guidance office for University Access awards the student a place in other studies. In this case, the amount corresponding to the enrollment documentation will not be refunded.

Enrollment modifications

- Within the deadline set for that purpose, the students may request a partial modification of the enrollment. In justified exceptional cases, the modification of the enrollment may be requested after the established deadline.
- Once the modification of the enrollment is granted, it will be applied immediately in the student's academic record and can't be waived in any case.
- The academic calendar will establish two terms for modification of enrollment:
 - In the first term, modifications that may have economic effects corresponding to subjects or modules of the first and second semester may be accepted.
 - In the second term, only modifications corresponding to subjects or modules taught in the second semester may be accepted, provided they haven't been previously requested and imply an economic effect increase, that have been justified.

Economic effects of the enrollment modification

- In case that there is an increase in the enrollment fee, the resulting difference must be paid, which will include the registration modification fee, in a single payment.
- In the cases where modifications of the registration suppose a decrease in the economic fee, there will be no right to the corresponding refund, except that the modification is due to causes attributable to the university or any other assumptions related in point "Cancellations of the enrollment and of the subjects and modules".
- The modifications will have the corresponding effect for those students who have applied for any of scholarships offered or managed by the UAB.

Rights and duties of enrollment

Without prejudice to any other legally established right or obligation, the registration made in accordance with this title will suppose:

- The right to attend the different training activities, and the right to be evaluated according to what is established in the teaching guides of each subject or module.
- Obtaining the corresponding UAB card, which will allow access to the services of the University.
- The right to participate in academic life, in accordance with provisions of the UAB Statutes.
- The duty to attend and carry out the training activities that are established in the teaching program.
- The duty to make the payment of prices for academic services.

Conditions of enrollment's validity

The payment corresponding to the benefit, service or activity described in the enrollment form is an indispensable condition of the validity of the registration,

Consequences of the non-payment of the enrollment

- Students who have made the payment of the enrollment fee after the established deadline must pay the costs of managing the non-payment that the UAB Social Council approves for each academic year, as well as the bank interests charged by the financial institution for the unpaid amount or the return of the bill.
- The fact of not pay the tuition within the deadlines set will entail the state of economic delinquency of the file, in accordance with what is regulated in the Decree of public prices of the Generalitat de Catalunya. In all cases, it will be essential to pay any pending expenses as a precondition for the formalization of the new enrollment or modification of the enrollment and / or for the application of any academic service.

Qualification system

The evaluation is the process of evaluating the degree of achievement of the training objectives established within the degree, based on objective and quantifiable evidence, and transparent and duly disseminated criteria.

All information related will be made public through the teaching guides of each of the modules.

The grades used by the UAB will be those of the scale 0-10, with a single decimal.

To consider an approved module, it will be necessary to obtain a minimum grade of 5.0.

Once the module has been approved, it can't be subject to a new evaluation.

Attendance record

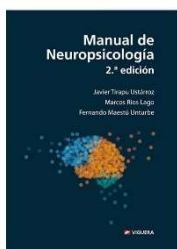
The registration of the assistance of each one of the modules will realize through a marking of entrance and exit, by means of the fingerprint of each student (that will be registered only for this end, as well as to be able to access to the changing rooms during the practicum). This mark will be taken by the teaching secretary once the enrollment has been formalized.

Documents legalization

In the following link you will find the information necessary to know how to legalize your Spanish degree (and official documents) for the foreigner.

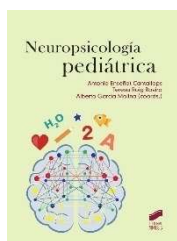
https://www.uab.cat/doc/legalizacion_tit_oficial_es

Recommended Bibliography



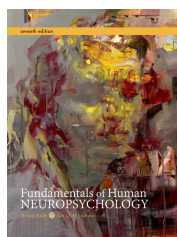
Manual de Neuropsicología (2ª edición)

Tirapu J, Rios M, Maestú F.
Viguera editores, 2011



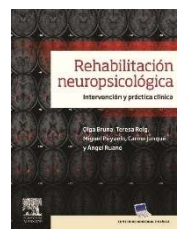
Neuropsicología pediátrica

Enseñat A, Roig T, García-Molina A.
Síntesis, 2015



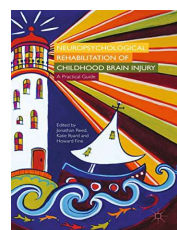
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Kolb B, Whishaw IQ
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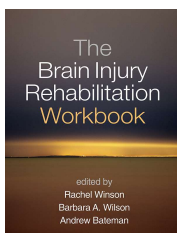
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Bruna O, Roig T, Pueyo M, et al.
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Reed J, Byard K, Fine H.
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Winson R, Wilson BA, Bateman A
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Self-Identity After Brain Injury. Ownsworth T. Psychology Press, 2014.

Neuropsicología Infantil. A través de casos clínicos. Arnedo M, Bembibre J, Montes A, Triviño M. Editorial Medica Panamericana, 2015.

Evaluación de las funciones ejecutivas. García -Molina A. Síntesis, 2018