



# **MASTER OF PERMANENT TRAINING IN NEUROPSYCHOLOGICAL REHABILITATION**

**120 ECTS  
1<sup>st</sup> edition**

**STUDENT GUIDE  
2023-2025**

# MASTER OF PERMANENT TRAINING IN NEUROPSYCHOLOGICAL REHABILITATION

By the  
**Universitat Autònoma de Barcelona**  
(Code: 4740/1)

Director of the Master  
Dr. Alberto García Molina  
[agarciam@guttmann.com](mailto:agarciam@guttmann.com)

Fundació Institut Guttmann  
Camí de Can Ruti, s/n  
08916 – Badalona – Barcelona  
<http://www.guttmann.com/ca>  
[www.guttmanninnova.com](http://www.guttmanninnova.com)  
tel: +34 93 497 77 00

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## Presentation of the Fundació Institut Guttman

The **Fundació Institut Guttman** is a non-denominational, non-profit, social initiative, private entity, driven by the Societat Civil Catalana, an affective example of public-private cooperation faithful to its humanistic principles and the holistic conception of the person. It is governed by the founding will expressed in its Statutes, the maximum protector is the Foundation's Board of Trustees. The Fundació Institut Guttman carries out its assistance, scientific and social activities at two centers, one located in Badalona and the other in the city of Barcelona.

The **Institut Guttman - Hospital de Neurorehabilitació** (<https://www.guttman.com>) is a leading hospital specializing in medical-surgical treatment and comprehensive rehabilitation of people with spinal cord injury, acquired brain injury or other major neurological disabilities. Its mission is to always provide the best medical-surgical and rehabilitative assistance, in a comprehensive, continuous, personalized manner and with the highest human, scientific and technical level.

**Guttman Barcelona, Institut de Salut Cerebral i Neurorehabilitació** (<https://barcelona.guttman.com/en>) is a highly specialized care center that offers diagnoses and treatments to respond to functional problems, both motor and cognitive and behavioral, that affect people suffering from a neurological disease or neuropsychiatric disorders. Guttman Barcelona is organized into a set of clinics, including the Stroke and Brain Injury Clinic, the Memory Clinic and the Neurodevelopmental Clinic. The Neurodevelopmental Clinic treats children and adolescents with manifestations related to the maturation process of the central nervous system (ADHD, Autism Spectrum Disorder, learning disorders, communication disorders).

As a **University Institute affiliated to the Universitat Autònoma de Barcelona (UAB)** (<https://www.guttman.com/en/guttman-university-institute-uab>) the Institut Guttman's mission is to develop the academic, scientific and research aspects of neuroscience in general and neurorehabilitation and technologies applied to personal autonomy in particular.

The teaching offer of the Institut Guttman contains a wide range of training programs, the aim of which is to contribute to the specialized training of health professionals linked to the world of Neurorehabilitation, to allow them direct, rigorous and practical access to the main diagnostic, technological and therapeutic advances in this clinical speciality and facilitate its application in the healthcare field.

*As a University Institute affiliated to the UAB, all the teaching programs and the different specialization courses, once satisfactorily completed, lead to the obtaining of the corresponding accreditation as an official university qualification or as a UAB own qualification and the certification of the number of European credits -ECTS- foreseen in the programs.*

## Master's general information

### Master's name

Master of Permanent Training in Neuropsychological Rehabilitation

### Orientation

Professional

### Credits

120 credits ECTS (18 ECTS theoretical, 96 ECTS practical i 6 ECTS of Master's Degree Dissertation).

### Duration of the Master

1<sup>st</sup> year: from September 4<sup>th</sup>, 2023, to July 31<sup>st</sup>, 2024

2<sup>nd</sup> year: from September 2<sup>nd</sup>, 2024, to July 31<sup>st</sup>, 2025

Theoretical classes will be taught during the 1<sup>st</sup> academic year on Fridays (from 9 a.m. to 1:30 p.m.). Practices will take place the two academic years, alternate days from Monday to Thursday from 10 a.m. to 7 p.m. and Friday from 3 p.m. to 7 p.m.

### Master's price

The Price of the Master's is 10.200€.

*In the event that the Price Decree, which is approved by the Generalitat de Catalunya in the months of June-July of each year, suffers major variations, the registration price could change. Any changes Will be communicated to the admitted students.*

### 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 expeditions of academic degrees, etc.

### Documentation Center

The **Documentation Center Santi Beso Arnalot** (<https://siidon.guttman.com/ca/centro-documentacion>) 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.

### Catering service

**The Institut Guttman - Hospital de Neurorehabilitació**, as well as **Guttman Barcelona, Institut de Salut Cerebral i Neurorehabilitació**, have a cafeteria/restaurant and rest/dining areas.

### 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 Spanish (90%) and Catalan (10%). At the beginning of the Master, if there are students who do not speak Catalan, teachers taught their classes in Spanish, but as the course progresses and when the students begin understanding the language, classes might be taught in Catalan.

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>

### Information and contact

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

## Access to the studies

### Access profile

The Master's of Permanent Training in Neuropsychological Rehabilitation offers an advanced training program aimed at professionals with University degree in Psychology, who want to acquire or improve their knowledge skills in the neuropsychological rehabilitation of people with brain injury or neurodevelopmental disorders.

The profile of the students who want to choose to study the Master's of Permanent Training in Neuropsychological Rehabilitation must be that a person motivated by teamwork, with a good capacity for logical reasoning, interest in scientific and technological advances, high assessment quality in work and ability to work in an organized and methodical way.

### Admission requirements

Have an official Spanish or foreign university degree in Psychology.

### Selection criteria

If the number of applications exceeds the available places (maximum 10 students), the allocation of places will be made according to the following selection criteria. The Teaching Committee will assess (based on 10 points) the candidate's application according to the following criteria:

- Curriculum, of which the following aspects Will be assessed:
  - previous professional experience in the field of rehabilitation. Each year of experience is valued with 1 point up to a maximum of 5 years.
  - Previous training linked to the field of rehabilitation (attendance and/or participation in courses, conferences and congresses, publications and training stays). Each training activity carried out will be assessed with 0.5 points (up to a maximum of 10 activities). All participations or publications must be justified with a copy or certificate of participation or publication.
- Average grade of the Academic Record of the Master's access degree (on a scale of 0 to 10)

The Teaching committee will use a grid where it will assess and score the criteria mentioned by each of the candidate students. The weight of the different criteria will be distributed as follows: 60% for work experience in the field or rehabilitation, 20% for specific training in this field and 20% for the average grade in the Academic Record of the Master's access degree.

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

### Admission entity

Admission will be decided by the Master's Director and the teaching Committee of the Institut Guttmann.

## Preinscription and enrollment

### Preinscription

Preinscription for the Master's is carried out online on the website:

<https://www.guttman.com/en/permanent-training-master-neuropsychological/registration-process>

Read instructions carefully before signing up:

- Check that you meet the admission requirements
- That you have the documentation to be able to access. You must scan the requested documentation and upload it to the application when do the preinscription

### Mandatory documentation:

- Curriculum Vitae (specific format you can find on the inscription website).
- Accrediting documentation of training in the Master's field included in the Curriculum Vitae.
- University degree title of the Master's access studies.
- Academic record of the Master's access studies with an average grade (on scale 0 to 10).
- Personal letter of motivation (specific format you can find on the inscription website).
- Spanish B1 certificate (only candidates from non-Spanish-speaking countries).

Letters of recommendation or reference can optionally be provided.

In the event that you are unable to deliver this documentation within established deadline, or if you want to modify the information presented, you can send to the Teaching Office via the email [docencia@guttman.com](mailto:docencia@guttman.com).

The Teaching Committee can request a certificate issued by your university of origin, stating that the studies you present give access to Master's studies.

### Admission

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

### Place reservation

If you have been admitted, you will have to formalize the place reservation. To do so, it is necessary that you make a transfer to the Institut Guttman account that we will indicate, of 500€, 1.000€ or 1.500€ (choose an amount from the three options) as pre-enrollment and according to your interests.

*This amount will be deducted from the final amount of the enrollment. The amount is non-refundable if you do not register and cannot be transferred to another course. If this reservation of a place is not made within the established period, the Institut Guttman reserves the right to assign the place to another applicant.*



### Documentation for enrollment in the Master's

Your definitive admission to the Master's will be subject to the verification of the documentation you have presented.

If you are a new student, you must submit to the Teaching Office of the Institut Guttmann:

- Duly completed and signed pre-enrollment (scanned document).
- Identity document valid at the time of enrollment (scanned document)
- Attested/legalized photocopy of the degree that gave you access to the Master's or of the official academic certificate attesting to the issue.
- Attested/legalized photocopy of the official academic certificate of the studies that have given you access to the Master's, in which the period in academic years of the degree, the subjects studied, the credits and the qualifications obtained are listed.
- A color photography.

If you access the Master's degree with a qualification obtained at a foreign university, you must take into account that:

The documentation relating to the degree and the academic certificate issued by the institutions of the European union, countries signatory to the Agreement on the European Economic Area and Switzerland, must be official and have been issued by the competent authorities.

The documentation relating to the degree and the academic certificate issued by the competent authorities and must have been issued by the competent authorities and must be legalized through diplomatic channels or, where applicable, through the apostille of the Convention of The Hague or the Andrés Bello convention.

Translation of documents issued abroad:

All documentation issued in Catalan, Spanish or English is accepted for documentation issued in French, Italian or Portuguese, the translation can be processed at the UAB Language Service. The interested person must take charge of this management and the costs involved. 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.

### Enrollment

If you have been admitted to the Master, you will receive the pre-enrollment which you must return us filled out and signed. We Will then send the formal Master's enrollment.

The registration period Will be from June to August of this year.

### 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 until August 13<sup>rd</sup>, 2023.
2. In three payments: this payment modality just can be applied if you formalized the enrollment before August 13<sup>rd</sup>, 2023. 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 until August 13<sup>rd</sup>, 2023. Another 30% before October 15<sup>th</sup>, 2023 and the remaining 40% before December 10<sup>th</sup>, 2023.

### **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 of Permanent Training in Neuropsychological Rehabilitation aims to train psychologists capable of carrying out tasks of assessment and neuropsychological rehabilitation of people with neuropsychological alterations -cognitive, emotional, and behavioral- derived from brain injuries, acquired or congenital, and child and adolescent population with neurodevelopmental disorders.

### **Skills**

Upon completion of the Master of Permanent Training in Neuropsychological Rehabilitation, the student will be able to:

1. Know the current models and theories on the relationship between the nervous system, cognitive domains, behavior, and emotion.
2. Know the main neuropsychological assessment tools used with patients with neuropsychological alterations associated with brain injury or a neurodevelopmental disorder.
3. Write neuropsychological reports that include the functioning of the patient with neuropsychological alterations of neurological origin.
4. Design, develop and supervise therapeutic plans based on the critical and analytical study of the neuropsychological profiles obtained from the administration of diagnostic assessment instruments.
5. Use neuropsychological intervention strategies -cognitive, behavioral, and emotional.
6. Assess the impact of therapeutic interventions.
7. Identify and formulate clinical-applied research problems in the context of professional practice.
8. Demonstrate independent learning skills to continue their training in the field of neuropsychological rehabilitation.

## Studies plan

The Master of Permanent Training in Neuropsychological Rehabilitation is structured in 120 ECTS distributed over two academic years with a professional orientation.

In the first year, 5 subjects will be taught, two of theoretical training (18 ECTS) and three of practical training (36 ECTS).

In the second year, 5 subjects will be taught, all of them practical training (60 ECTS).

The Master's Degree Dissertation (6 ECTS) is developed throughout the two academic years.

SUBJECTS	
A01. Conceptual Bases of Neuropsychological Rehabilitation	6 ECTS
A02. Theoretical foundations for Neuropsychological Rehabilitation in Brain Injury and Neurodevelopmental Disorders	12 ECTS
A03. Clinical practices I	12 ECTS
A04. Clinical practices II	12 ECTS
A05. Clinical practices III	12 ECTS
A06. Clinical practices IV	12 ECTS
A07. Clinical practices V	12 ECTS
A08. Clinical practices VI	12 ECTS
A09. Clinical practices VII	12 ECTS
A10. Clinical practices VIII	12 ECTS
A11. Master's Degree Dissertation	6 ECTS
<b>Total ECTS Master's</b>	<b>120 ECTS</b>

## Faculty

- **Dr. Alberto García Molina.** Doctor in Psychology. Specialist in Neuropsychology. Institut Guttmann - Hospital de Neurorehabilitació. Director Master of Permanent Training in Neuropsychological Rehabilitation.
- **Dr. Rocio Sánchez-Carrión Abascal.** Doctor in Psychology. Specialist in Neuropsychology. Institut Guttmann - Hospital de Neurorehabilitació.
- **Dr. Pablo Rodríguez Rajo.** Doctor in Psychology. Specialist in Neuropsychology. Institut Guttmann - Hospital de Neurorehabilitació.
- **Dr. Celeste Aparicio López.** Doctor in Psychology. Specialist in Neuropsychology. Institut Guttmann - Hospital de Neurorehabilitació.
- **Sr. Miquel Espiña Bou.** Degree in Psychology. Specialist in Neuropsychology. Institut Guttmann - Hospital de Neurorehabilitació.
- **Sr. Anna Menen Sánchez.** Degree in Psychology. Music therapist. Institut Guttmann - Hospital de Neurorehabilitació.
- **Sra. Beatriz González Rocamora.** Degree in Speech Therapy. Institut Guttmann - Hospital de Neurorehabilitació.
- **Sra. Judith Ejarque Grau.** Degree in Speech Therapy. Institut Guttmann - Hospital de Neurorehabilitació.
- **Sra. Andrea Jiménez Crespo.** Degree in Speech Therapy. Institut Guttmann - Hospital de Neurorehabilitació.
- **Sra. Antònia Enseñat Cantallops.** Degree in Psychology. Specialist in Neuropsychology. Head of the Neuropsychology Department of the Institut Guttmann - Hospital de Neurorehabilitació and Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Sra. Eulalia Solis Coca.** Degree in Psychology. Specialist in Neuropsychology. Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Dr. Macarena Gil Pagés.** Doctor in Psychology. Specialist in Neuropsychology. Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Sra. Claudia Reyes Sellés.** Degree in Psychology. Specialist in Neuropsychology. Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Dr. Alfonso Igualada Pérez.** Doctor in Language Sciences. Degree in Speech Therapy. Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Sra. Laura Escribano Ruiz.** Degree in Speech Therapy. Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Dr. Raúl Pelayo Vergara.** Doctor in Medicine. Specialist in Neurology. Institut Guttmann - Hospital de Neurorehabilitació and Guttmann Barcelona, Institut de Salut Cerebral i Neurorehabilitació.
- **Dr. Eloy Opisso Salleras.** Doctor in Industrial Engineering. Institut Guttmann - Hospital de Neurorehabilitació.
- **Dr. Carlos Soriano Mas.** Doctor in Psychology. Specialist in Neuropsychology. Institut d'Investigació Biomèdica de Bellvitge (IDIBELL).
- **Dr. Oscar Pino López.** Doctor in Psychology. Specialist in Neuropsychology. Hospital General de Granollers.
- **Sra. Katy García Nonell.** Degree in Psychology. Specialist in Neuropsychology. Centre de Neuropsicologia infantil del Maresme (CNIM).
- **Sra. Eugènia Rigau Ratera.** Degree in Psychology. Specialist in Neuropsychology. Centre de Neuropsicologia infantil del Maresme (CNIM).
- **Sra. Natàlia Picó Azanza.** Degree in Psychology. Specialist in Neuropsychology. Institut de Psicologia de Barcelona.

## **A01. Conceptual Bases of Neuropsychological Rehabilitation**

Coordinator: Dr. Alberto García-Molina

Mail: [agarciam@guttmann.com](mailto:agarciam@guttmann.com)

Dates: from September 08<sup>th</sup> to November 10<sup>th</sup>, 2023

Schedule: Fridays from 9 a.m. to 1:30 p.m. in the 2023-2024 academic year (break: 11 a.m. to 11:30 a.m.)

### **Teaching load:**

6 ECTS: equivalent to 150 hours of student work, of which 40 hours correspond to face-to-face theoretical classes.

### **Objectives:**

- Study the advances in the field of neuropsychological rehabilitation.
- Identify variables that contribute to neuropsychological recovery.
- Provide basic neuroimaging basics.
- Know the main neurological pathologies that have neuropsychological effects.

### **Contents description:**

- Neuropsychological rehabilitation. Conceptual framework.
- Modulating variables of the rehabilitative process.
- Neuropsychological examination: Assess to rehabilitate.
- Objectives of neuropsychological rehabilitation.
- Family and brain injury.
- Neurological pathologies with neuropsychological involvement.
- Disorders of consciousness and music therapy in sensory stimulation programs.
- Neuroimaging by neuropsychologists.
- Forensic neuropsychology.
- Technology applied to neuropsychological rehabilitation.

## **A02. Theoretical foundations for Neuropsychological Rehabilitation in Brain Injury and Neurodevelopmental Disorders**

Coordinator: Dr. Rocío Sánchez-Carrión Abascal

Mail: [rsanchezcarrion@guttman.com](mailto:rsanchezcarrion@guttman.com)

Dates: from January 12<sup>nd</sup> to June 07<sup>th</sup>, 2024

Schedule: Fridays from 9 a.m. to 1:30 p.m. in the 2023-2024 academic year (break: 11 a.m. to 11:30 a.m.)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 84 hours correspond to face-to-face theoretical classes.

### **Objectives:**

- Study specific neuropsychological assessment instruments and techniques.
- Analysis and design of therapeutic strategies.
- Planning neuropsychological intervention programs and monitoring results.

### **Contents description:**

- Attention. Conceptual framework. Assessment.
- Attention. Intervention.
- Gnosis conceptual framework. Assessment and intervention.
- Practices conceptual framework. Assessment and intervention.
- Language conceptual framework. Assessment.
- Language intervention.
- Memory. Conceptual framework. Assessment.
- Memory. Intervention.
- Executive functions. Conceptual framework. Assessment.
- Executive functions. Intervention.
- Social cognition in brain injury.
- Behavioral changes in brain injury.
- Neuropsychotherapy. Conceptual framework.
- Neuropsychotherapy. Intervention.
- Neurobiological development of the brain.
- Neurodevelopmental disorders. Diagnosis, assessment, and intervention.
- Attention deficit and hyperactivity disorder. Diagnosis and intervention.
- Language and literacy disorders.
- Autistic spectrum disorder. Diagnosis and intervention.
- Neuropsychology of early care.
- Child neuropsychological rehabilitation. Family and school.

## **A03. Clinical practices I. Neuropsychological examination in the adult population**

Coordinator: Dr. Rocío Sánchez-Carrión Abascal

Mail: [rsanchezcarrion@guttman.com](mailto:rsanchezcarrion@guttman.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Acquire the practical knowledge necessary to perform an appropriate neuropsychological examination in adult patients with brain injury.
- Write clinical neuropsychological reports.

### **Contents description:**

- Neuropsychological assessment. Adult population.
- Neuropsychological report. Adult population.

## **A04. Clinical practices II. Neuropsychological examination in children and adolescents**

Coordinator: Mrs. Èlia Vilageliu Jordá

Mail: [evilageliu@guttman.com](mailto:evilageliu@guttman.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Acquire the practical knowledge necessary to carry out an appropriate neuropsychological examination in child and adolescent patients.
- Write clinical neuropsychological reports.

### **Contents description:**

- Neuropsychological assessment. Child and adolescent population.
- Neuropsychological report. Child and adolescent population.



## **A05. Clinical practices III. Neuropsychological semiology in adult population with brain injury**

Coordinator: Dr. Alberto García Molina

Mail: [agarciam@guttmann.com](mailto:agarciam@guttmann.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Train students to identify the basic neuropsychological semiology presented by adult patients with brain injury.

### **Contents description:**

- Semiology. Adult population.

## **A06. Clinical practices IV. Neuropsychological semiology in children and adolescents**

Coordinator: Mrs. Antonia Enseñat Cantallops

Mail: [aensenat@guttmann.com](mailto:aensenat@guttmann.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Train students to identify the basic neuropsychological semiology presented by child and adolescent patients.

### **Contents description:**

- Semiology Child and adolescent population.

## **A07. Clinical practices V. Neuropsychological rehabilitation in adults with brain injury**

Coordinator: Dr. Pablo Rodríguez Rajo

Mail: [prodriguez@guttmann.com](mailto:prodriguez@guttmann.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Provide students tools for the neuropsychological rehabilitation of adult patients with brain injury.

### **Contents description:**

- Cognitive rehabilitation. Adult population.
- Behavioral intervention. Adult population.
- Neuropsychotherapy. Adult population

## **A08. Clinical practices VI. Neuropsychological rehabilitation in children and adolescents**

Coordinator: Mrs. Eulàlia Solís Coca

Mail: [esolis@guttmann.com](mailto:esolis@guttmann.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Provide students tools for the neuropsychological rehabilitation of child and adolescent patients.

### **Contents description:**

- Cognitive rehabilitation. Child and adolescent population.
- Behavioral intervention. Child and adolescent population.
- Emotional-affective treatment. Adult population.

## **A09. Clinical practices VII. Environment and family**

Coordinator: Dr. Celeste Aparicio López

Mail: [caparicio@guttman.com](mailto:caparicio@guttman.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Provide tools to identify and treat the alteration of the family structure of patients with neuropsychological impairments associated with brain injury.

### **Contents description:**

- Family and neuropsychological rehabilitation.
- Family intervention.

## **A10. Clinical practices. Interdisciplinary work in neurorehabilitation**

Coordinator: Mr. Miguel Espiña Bou

Mail: [mespina@guttman.com](mailto:mespina@guttman.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: alternate days from Monday to Thursday from 10 a.m. to 7 p.m. (8 hours per day, with an hour for lunch) and Friday from 3 p.m. to 7 p.m. (4 hours)

### **Teaching load:**

12 ECTS: equivalent to 300 hours of student work, of which 268 hours are face-to-face practices.

### **Objectives:**

- Understand the process of interdisciplinary intervention in neurorehabilitation and its relationship with neuropsychological rehabilitation.

### **Contents description:**

- Interdisciplinary work in the adult population.
- Interdisciplinary work in the child and adolescent population.

## **A11. Master's Degree Dissertation**

Coordinator: Dr. Alberto García Molina

Mail: [agarciam@guttman.com](mailto:agarciam@guttman.com)

Dates: Academic years 2023-2024 and 2024-2025

Schedule: Tutoring scheduled by the Master's Degree Dissertation tutor

### **Teaching load:**

6 ECTS: equivalent to 150 hours of student work, including hours of individualized tutoring.

### **Objectives:**

- Acquire basic methodological skills to carry out clinical research with patients with brain injury.

### **Contents description:**

The student will have to develop, and public oral defense, a scientific work in the context of the clinical research that is carried out in the facilities of the Institut Guttman. Each student will be assigned an academic tutor who will guide and supervise their work.

### **Fund for research works**

With prior authorization from the authors, and respecting their right of intellectual property, a copy of the Master's Degree Dissertation will be included in the collection of the Centre de Documentació of the Institut Guttman, so that it can be consulted by professionals and students through the web: <https://siidon.guttman.com/es/centro-documentacion/trabajos-fin-master>

## Course evaluation process

The evaluation of the theoretical subjects (A01 and A02) consists of the following activities:

- Synthesis test: two open-ended questions on the contents of the subject. The maximum length of each answer cannot exceed 60 lines. It constitutes 50% of the subject grade.
- Summary of a scientific article: summarize the content of a scientific article proposed by the coordinator in a summary of between 200 and 250 words. Its structure is as follows: 1) objective/s, 2) methodology, 3) results and 4) conclusions. It constitutes 25% of the subject grade.
- Multiple choice written test: questions with four answer options (where only one is correct). It constitutes 25% of the subject grade.

The evaluation of the practical subjects (A03 to A10) is carried out through a skills assessment. The tutor responsible of the student generates a report indicating the degree of achievement of a series of skills associated with the contents of the practical subject.

The evaluation of the Master's Degree Dissertation (A11) consists of the following activities:

- Writing of a Master's Degree Dissertation (following a scientific article type format). It constitutes 90% of the grade.
- Public oral defense of the Master's Degree Dissertation. It constitutes 10% of the grade.

## Academic normative

On the following web page you can find the regulation and academic procedures of the Universitat Autònoma de Barcelona in relation to Master's studies:

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