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JUST-CRS Clinical Rehabilitation Sciences

CLINICAL MASTER PROGRAM IN

REHABILITATION SCIENCES AT JUST

(JUST – CRS)

COURSE INFORMATION PACKAGE (COURSE CATALOGUE)

COURSE INFORMATION

Course title	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
Advanced Theories and Practice in Neurological Rehabilitation I	CRS 724	II	2	1		2	5
Prerequisites	None						
Course language	English						
Course type	Elective						
Mode of delivery (face to face, distance learning, blended)	• Blended • Face to face						
Learning and teaching strategies	• Lectures • Discussion • Preparing and/or Presenting Reports • Case study • Online environment						
Instructor (s)							
Course description	The course is designed to present advanced theoretical and practical aspects of neurological pediatric rehabilitation. Evidence-based information and practice for special and advanced pediatric cases will be provided. Clinical assessments, clinical reasoning, clinical therapeutic skills for the development of safe and effective rehabilitation programs and exercise prescription for children with neurological conditions will be included.						
Course objective	To apply advanced knowledge of pediatric neurorehabilitation using the interdisciplinary paradigm. Additionally, this course aims at developing the clinical appraisal skills that help building clinical decision making including assessment plans and intervention.						
Learning outcomes	Students will be able to 1. Apply advanced knowledge of pediatric neurologic rehabilitation. 2. Describe and apply interdisciplinary principles and concepts in different pediatrics rehabilitation settings. 3. Analyze the development, maturation, adaptation of child with neurological problems. 4. Develop assessment plan and intervention plan in different pediatric neurological conditions. 5. Critically appraise current scientific information to guide clinical decision making. 6. Apply effective clinical problem solving skills to the encountered problems						

Course Content	• Neurological rehabilitation in pediatrics, childhood disabilities.
References	• Pediatric Rehabilitation, Fifth Edition: Principles and Practice 5th Revised edition, by Alexander and Matthews, 2015. • Pediatric Physical Therapy. 5th edition, by Jan S. Tecklin 2014. • Occupational Therapy for Children Case Smith

COURSE OUTLINE-WEEKLY

Weeks	Topics Theoretical	Lecturer	Assessment
1.	Disability, health and participation	Dr.Nazzal	
2.	Principles of development	Dr.Hikmat	MCQ
3.	Applied models in neuropsychoscial pediatric rehabilitation: Sensory Integration	Dr.Noor	
4.	Applied models in neuropsychoscial pediatric rehabilitation	Dr.Haifa'a	
5.	Applied models in neuropsychoscial pediatric rehabilitation: Paediatric exercise science	Dr.Helen	
6.	Neuro psychosocial pediatric outcome measures I	Dr.Nihad	Assignment
7.	Neuro psychosocial pediatric outcome measures II	Dr.Nihad & Dr.Hikmat	
8.	Evidence-based clinical reasoning in pediatric neurorehabilitation	Dr.Akmer	
9.	Integrated interdisciplinary care in pediatrics' neurorehabilitation	Dr.Alham	
10.	Family and school based rehabilitation	Dr.Noor	
11.	Assistive technology in pediatric rehabilitation	Dr.Nazzal	
12.	Orthoses and seating systems in pediatric neurorehabilitation	Dr.Khader	
13.	Seminar week		
14.	Seminar week		
	Final exam week		

**In accordance with the structure of the course, activities such as presentations, projects, seminars, and portfolios can be used in the evaluation system as a midterm exam.*

ASSESSMENT METHODS

Course activities	Number	Percentage**
Attendance		
Laboratory		
Application	14	10
Field activities		
Specific practical training		
Assignments	4	40
Presentation		
Discussion		
Project		
Seminar	1	20
Portfolio		
Online environment*		
Midterms		
Final exam (theory) **	1	30
Total		100
Percentage of semester activities contributing grade success		
Percentage of final exam contributing grade success		
Total		100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	2	28
Laboratory			
Application	14	1	14
Specific practical training			
Field activities			
Study Hours outside the classroom context (Preliminary work, reinforcement, self-directed learning etc.)	3	14	42
Presentation / Seminar Preparation	1	15	15
Project			
Online environment*	1	11	11
Homework assignment	1	25	25
Portfolio			
Midterms (Study duration)			
Final Exam	1	15	15
Total Workload			150

MATRIX OF THE COURSE LEARNING OUTCOMES VERSUS PROGRAM OUTCOMES

Program Outcomes	Contribution level*				
	1	2	3	4	5
1. Design and implement autonomously a professional approach based on analysis of complex rehabilitation science knowledge					x
2. Design, deliver and evaluate educational process adapted or customize to different inter-professional contexts (academic/professional/community) using an effective pedagogical approach		x			
3. Provide and disseminate new evidence in accordance with research ethics using updated and integrated knowledge of research methods					
4. Develop, manage and organize strategic planning and decision making within the scope of the quality assurance, ethical rules, team development and cooperation					
5. Integrate health advocacy at an individual, community and policy levels to promote citizenship and inclusive development of communities			x		
6. Communicates effectively within multidisciplinary clinical or scientific contexts, based on collaborative approach.			x		
7. Plan, implement and advocate interdisciplinary healthcare services within deep understanding of health care systems to promote better networking, and comprehensive patient care.					

***1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest**