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JUST-CRS
Clinical Rehabilitation Science

New Master Degree

in Clinical
Rehabilitation
Sciences



EDITION 3

2018 **JUNE**
www.crs.just.edu.jo

WELCOME



Thank you for your interest in **the JUST Clinical Rehabilitation Sciences Master's Program "JUST-CRS"**.

And thank you for your interest in our newsletter.

One academic year of the master program has passed with intensive collaborative teaching activities in the program by JUST professors as well as other professors from other partner university in Jordan and Europe.

In this master program, all expertise from all consortium partners are brought together to create and implement an innovative interdisciplinary curriculum that aims to improve the quality of rehabilitation services and improve the quality of rehabilitation higher education in Jordan.

Thank you for your interest in our master program.

On behalf of JUST-CRS Team,
Dr. Mohammad Nazzal



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3.1 Teaching Activities

New Master Degree in Clinical Rehabilitation Sciences

faculty of Applied Medical Sciences at
JUST



3.1.1 Prof. Antonio Lopes of ESSA is the first European professor to travel to teach at JUST-CRS

As JUST-CRS master program has been launched in October 2017, Prof. Antonio Lopes was the first European lecturer and professor to travel and teach face-to-face in the JUST-CRS master program. Professor Lopes, a professor of physical therapy and CRS coordinator from Alcoitao School of Health Sciences (ESSA) in Lisbon, Portugal, has conducted teaching mobility and participated in teaching the First Cohort of JUST-CRS face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program) in Irbid, Jordan. Prof. Lopes has taught two modules on clinical records in interdisciplinary context and Clinical reasoning and differential diagnosis in rehabilitation science.

These units are part of the CRS master program courses; CRS 711 advanced modules in rehabilitation sciences and CRS 712 Applied models in applied sciences. Students interacted enthusiastically with Prof. Lopes, who applauded the students' interest in learning and discussion.





Teaching Activities

3.1.2 Prof. Silvia Martins from ESSA teaches at JUST-CRS

Ms Silvia Martins, is a senior lecturer at Alcoitao School of Health Sciences (ESSA), Lisbon, Portugal. Ms Martins has conducted teaching mobility and participated in teaching our first Cohort of JUST-CRS face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program) in Irbid, Jordan. Prof. Martins has taught the modules of Social Transformation, Occupation based community development and Participatory methods as part of CRS 753 Community Development Programs in Rehabilitation Sciences course. She also presented a lecture on the Canadian Model of Occupational Therapy as part of the CRS 712 Applied Models in Rehabilitation Sciences course. Students expressed their gratitude to the wealth of knowledge they gained from Prof. Martins, who applauded the high-quality students involved in the program.



3.1.3 Prof Liesle Ezkiel participated in teaching mobility to JUST to teach at JUST-CRS

Prof. Ezkiel is a lecturer on the Occupational Therapy programme at Oxford Brookes University and started a part-time PhD in October 2014. Has worked as an occupational therapist in the NHS, and more recently as a lecturer at Brookes and also as a brain injury case manager.

Her research project focuses on understanding the impact of fatigue on participation in daily life after an acquired brain injury. As part of JUST-CRS Implementation Work package,



Teaching Activities

Prof Ezkiel has conducted a teaching mobility and participated in teaching our first Cohort, both online and face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). Prof Ezkiel taught the modules of cognitive, visual and perceptual neurorehabilitation, assessment of cognitive and visual and perceptual impairments as well as applications of interventions (Case Studies). These units are part of the CRS courses CRS 724 & 725 Advanced theories and practice in neurological rehabilitation I & II. Before she travelled to Jordan, she also conducted online teaching about diversity and social inclusion as part of CRS 713 community development programs in rehabilitation sciences course. Students were delighted to have Prof Liesle who applauded the students' enthusiastic learning and discussion.



3.1.4 Prof Maria Rosado from Portugal teaches at JUST-CRS

Professor Maria is the Deputy Head of the Physical Therapy Department at Alcoitao School of Health Sciences (ESSA). Prof Rosado has conducted a teaching mobility and participated in teaching our first Cohorts face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). This is a part of JUST-CRS Implementation Work package, where the JUST-CRS master's program hosts a number of international lecturers and speakers from partner European institutions. Prof. Rosado has taught CRS master program courses CRS-736 & CRS-737 Advanced Theories and Practice in Orthopedic Rehabilitation I & II. She presented both theoretical and clinical demonstrations at the CRS teaching laboratory. Students were delighted to have Prof Rosado joining the team of European professors who teach at the program.

Her research project focuses on understanding the impact of fatigue on participation in daily life after an acquired brain injury.



Teaching Activities

As part of JUST-CRS Implementation Work package, Prof Ezkiel has conducted a teaching mobility and participated in teaching our first Cohort, both online and face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). Prof Ezkiel taught the modules of cognitive, visual and perceptual neurorehabilitation, assessment of cognitive and visual and perceptual impairments as well as applications of interventions (Case Studies). These units are part of the CRS courses CRS 724 & 725 Advanced theories and practice in neurological rehabilitation I & II. [Before she](#) travelled to Jordan, she also conducted online teaching about diversity and social inclusion as part of CRS 713 community development programs in rehabilitation sciences course. Students were delighted to have Prof Liesle who applauded the students' enthusiastic learning and discussion.

3.1.5 Prof. Derick Wade lectures at the JUST-CRS program

[Prof. Derick Wade](#) is another international lecturer from partner European institutions who has taught face to face modules at JUST as part of JUST-CRS

Implementation Work package. Professor. Derick Wade is a professor and consultant in neurological rehabilitation in Oxford Brookes University, UK. He is also the editor of the renowned Journal of clinical rehabilitation. Prof Wade has conducted teaching mobility to our first Cohorts at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). [Prof. Wade](#) has taught a module on the BioPsychoSocial Model. This unit is part of the CRS master program course; CRS-713 Biopsychosocial Aspects in Rehabilitation Sciences. Students were very engaged in Prof. Wade's interactive teaching session. They were very delighted to have a prominent lecturer and researcher teach them in the program.



Teaching Activities

3.1.6 Dr Patricia Almeida teaches online via Video Conferencing at JUST-CRS

Dr Almeida, is a senior lecturer in the Department of Physiotherapy at Alcoitao School of Health Sciences (ESSA), Portugal.

She is also the President of European Network of Physiotherapy in Higher Education (ENPHE).

Dr Almeida has taught online via video conferencing using the JUST-CRS online Elearning system.

Dr. Almeida lectures were part of the CRS 742 Evidence-Based Clinical Reasoning in Rehabilitation Sciences course. Students were glad to have learned with Prof. Almeida who thanked the students for their interest in learning and discussion.

3.1.7 Prof Akmer Mutlu participated in online teaching at JUST-CRS

The JUST-CRS master's program has provided multiple venues for our Jordanian and european partners' professors to participate in the teaching and implementation of the master program.

Professor Mutlu, is a professor of physical therapy and currently works as a lecturer for the Cerebral Palsy Unit in the clinical and research field at Hacettepe University, Turkey.

Prof Mutlu has taught online via video conferencing using the JUST-CRS online Elearning system. Prof. Mutlu's lecture was part of the CRS 742 Evidence Based Clinical Reasoning in Rehabilitation Sciences. Students were thankful of Prof. Mutlu's time and participation in teaching them online.

PROFESSORS PROFILES



Dr. Mohammad Nazzal

Associate Professor
Occupational Therapy

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JUST-CRS project coordinator; an Erasmus Plus project co-funded by the EACEA of the European Union in 2016
Associate professor of Occupational Therapy, Jordan University of Science and Technology
PhD in occupational therapy from the Texas Woman's University in 2008
American Board certified in Occupational Therapy

RESEARCH

Occupational participation among people with disabilities in the community, pediatric and neuro-developmental rehabilitation and qualitative research methodologies.



Dr. Hanan W. Khalil

Associate Professor
Physical Therapy

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Associate professor of Physical Therapy, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology.

Associate member of the European Huntington's Disease Network (EHDN)-Physiotherapy Working Group, a member of the International Movement Disorders Society (MDS) as well as a member of the Association of Physiotherapists in Parkinson's disease Europe (APPDE)

RESEARCH

Neurological rehabilitation of neurodegenerative diseases; their impacts on mobility outcomes and health-related quality of life with special focus on finding strategies to promote engagement in independent exercise programs in these populations

PROFESSORS PROFILES



Dr. Hikmat Hadoush

Assistant Professor
Physical Therapy

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Associate professor in pediatric & Neurological rehabilitation, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology

RESEARCH

Main research interests include brain mapping, cortical plasticity, and non-invasive cortical stimulation associated with various pediatric and neurological diseases particularly in Parkinson's disease, Multiple sclerosis, Mood disorders, Cerebellum dysfunction, Regional body pain complex, Cerebral palsy, and Autism spectrum disorders. Besides examining and developing new non-invasive cortical stimulation applications and protocols for such diseases.



Prof. Mahmoud Alomari

Professor
Physical Therapy

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A professor of Physical Therapy and exercise physiology, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology

Dr. Alomari earned his PhD degree in exercise physiology from Louisiana State University in the United States in 2003.

RESEARCH

He has extensive teaching and research experience in the fields of exercise physiology, biomechanics, Kinesiology, and cardiopulmonary physical therapy rehabilitation.

PROFESSORS PROFILES



Dr. Muhammed Al-Jarrah

Associate Professor
Physical Therapy

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Associate professor of Physical Therapy, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology.

Dr. Jarrah earned his PhD degree in Physical Therapy and rehabilitation science from Kansas University Medical Center in the United States.

RESEARCH

His research interest include:

- Effect of treadmill exercise training on the brain of rat model with type 1 diabetes, and mouse model of chronic Parkinsonism.
- Stroke rehabilitation outcomes.
- Pediatrics rehabilitation and assessment.



Prof. Helen Dawes

Professor
Movement Science

hdawes@brookes.ac.uk

Head of Centre for Rehabilitation and Movement Science Group at OBU.

Deputy Director Oxford Institute of Nursing & Allied Health Research (OxINMAHR).

RESEARCH

Her research spans from exploring underlying mechanisms affecting performance through to service delivery of subsequently developed interventions and tools for Parkinson's Disease, MS, Stroke & Cerebral palsy.

Funded by the Elizabeth Casson Trust, Wellcome Trust, EPSRC, Stroke Association, MS Society NIHR, The National Lottery, Action Medical Research, Dunhill Medical Trust and European Commission.

PROFESSORS PROFILES



Dr Patrick Esser

Senior Lecturer
Movement Science

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Dr Esser leads the **Movement Science Group** based within the Centre for Movement, Occupation and Rehabilitation Sciences at Oxford Brookes University

He currently acts as a link between clinicians, companies and engineers to develop new algorithms, creates bespoke software analysis.

RESEARCH

He is involved in member is many research groups including OxINMAHR Research Management, Robotics and AI Research and Autonomous Driving & Human-Vehicle Interaction groups.

He is also a member of Alzheimer's Research UK Oxford and the Society for Research in Rehabilitation (SRR)



Dr. Ziad Alhawamdeh

Professor
Physical Medicine

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Professor of physical medicine and rehabilitation. He currently serves as the dean of the faculty of rehabilitation sciences at the university of Jordan.

He holds and MD degree with specialty in Physical Medicine

RESEARCH

He has extensive teaching, research and clinical experience in the field of physical medicine and rehabilitation.

PROFESSORS PROFILES



Dr. Alia alghwiri

Assoc. Professor
Physical Therapy

alia.alghwiri@gmail.com

Dr. Alghwiri completed her clinical training at the Traumatic Brain Injury clinic and The Jordan Center of Balance and Hearing Disorder, Pittsburgh, PA, USA.

Since 2010, **she** serves on the international panel of peer reviewer in the Journal of Geriatrics, Archives of Physical Medicine and Rehabilitation, and the Reviewer in the World Journal of Orthopedics.

RESEARCH

Her research interest involve Vestibular rehabilitation, Neuropsychology, Cognitive Science and Rehabilitation Medicine



António Alves Lopes

Principal lecturer
Physical Therapy

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António is a **Physiotherapist** with a Master degree in Physiotherapy Sciences and currently doing his PhD in Health Technologies and Information.

He currently is a Principal lecturer at ESSA, responsible for the area of cardio-respiratory educational issues at the bachelor and master level.

António is experienced in planning and implementing LLL education and has been involved in the curricula reformulation of the institution, towards new learning strategies.

PROFESSORS PROFILES



Dr. Patricia Almeida

Senior lecturer
Physical Therapy

patricia.almeida@essa.pt

Dr. Almeida is a Professor in the Department of Physiotherapy since 2001

President of European Network of Physiotherapy in Higher Education (ENPHE)

She is responsible for the Neurology program and is the main teacher in the areas of neurology, clinical reasoning and evidence based practice.

She developed and coordinated a master in Neurorehabilitation.

In the last ten years, she was involved in a many international projects, teaching and developing a variety of international programs in both Europe and Africa.

PhD in researching evidence of physiotherapy in Neurorehabilitation within the ICF framework and on brain activity and manual facilitation.



Prof. Ayşe Karaduman

Professor
Physiotherapy

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Professor in the Physical Therapy Department at Hacettepe University.

Coordinator of JUST-CRS in Hacettepe University and many other international projects.

She established Neuromuscular Unit in 1991 and Swallowing Disorders Unit in 2000 in Hacettepe University

An international educator and clinical evaluator in Neuromuscular Diseases.

She serves in supreme boards of many international research groups and takes charge in national advisory committees in neuromuscular field.

RESEARCH

Her research interests include Pediatric neuromuscular diseases, neuromuscular rehabilitation, swallowing disorders

PROFESSORS PROFILES



Prof. Sibel Aksu Yildirim

Professor
Physical Therapy

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Prof. Sibel Aksu is carrying out education and research activities in the neurological rehabilitation unit at Physical Therapy and Rehabilitation Department of Faculty of Health Sciences. **She** is also working as an Institutional Erasmus Coordinator of Hacettepe University.

Currently, **Prof. Sibel Aksu** is carrying out education and research activities in the neurological rehabilitation and participating in several courses in the rehabilitation, EXTS and Erasmus studies.

RESEARCH

Her main research interest and activities include Neurological Rehabilitation



Prof. Çiğdem Öksüz

Professor
Physical Therapy

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A professor in the Department of Occupational Therapy, Faculty of Health Sciences at Hacettepe University in Turkey since 2012.

She has more than 18 years of clinical, educational and scientific experience in the treatment of hand disorders.

She also has been working as a physiotherapist of the Paralympic shooting team and as an international classifier with the International Paralympic Committee since 2009.

RESEARCH

Research interests include Outcome measures, Hand rehabilitation, Upper extremity rehabilitation, Orthopedic rehabilitation and Neurological rehabilitation.

PROFESSORS PROFILES



Prof. Gonca Bumin

Professor
Occupational Therapy

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Prof. Gonca is a professor lecturer and researcher in the Occupational Therapy Department of the Faculty of Health Sciences, Hacettepe University.

She is the head of pediatric occupational therapy units in the postgraduate course at the OT school.

She is also a member of the Faculty Education Commission, a Turkish alternate delegate of WFOT, an Editor of Journal of Health Sciences (OT section) and an associate editor in the Journal of Occupational Therapy and Rehabilitation

RESEARCH

Pediatric Occupational Therapy, Sensory Integration, Cognitive Rehabilitation, Ergonomics, Vocational Rehabilitation, Curriculum development and school based Occupational Therapy.



Dr. Saad Al-Nassan

Assistant Professor
Physical Therapy

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Dr. Al-Nassan is a PhD holder of Rehabilitation Sciences in the field of motor function.

He is an awardee of The Japanese Government Scholarship Program (MONBUGAKAUSHO) from 2009-2015

RESEARCH

Main research expertise and interests are in exploring the effects of exercises on protein changes in the skeletal muscle during acute and chronic illness.

PROFESSORS PROFILES



Dr. Mohannad Hawamdeh

Assistant Professor
Physical Therapy

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Dr. Hawamdeh is currently an Assistant professor of physical therapy at the department of physical and occupational therapy at Hashemite University and the chairperson of the department.

He has a good experience in the European universities systems of education for rehabilitation sciences.

He holds a PhD in Physical Therapy from University of Rome (Tor Vergata) in Italy.

Contact Us

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