



Co-funded by the
Erasmus+ Programme
of the European Union



JUST-CRS
Clinical Rehabilitation Science

New Master Degree

in Clinical
Rehabilitation
Sciences



EDITION 5

2019 **JUNE**
www.crs.just.edu.jo

5.1 Training of Trainers



Co-funded by the
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Jordan Professors and clinical staff receive clinical capacity training in UK, Turkey and Portugal

[The Training of Trainers' Capacity Building Program](#) in the fields of Clinical Rehabilitation Sciences has been launched within the JUST-CRS project. Jordanian professors and clinical instructors members of the three Jordanian partners (JUST, UJ, HaU) had travelled to Europe and received extensive one week training provided in the three European partners (Hacettepe, ESSA, OBU) from 05/01/2019 to 26/01/2019.

Thirty JUST-CRS professors and clinical instructors were enrolled in intensive training on a variety of topics at each of the sites.

At OBU, topics were: Clinical exercise and physical activity, Motion analysis and gait and Clinical Research Governance. At ESSA, topics were: Interdisciplinary practice Models of Practice, Clinical reasoning, Teaching/Learning Methodologies: Developing competencies in Academic Context (CBL/PBL, Flip Teaching), Developing competencies in Clinical Context (Clinical education organization and support, and Integrating digital tools in Teaching/Learning Process. At Hacettepe, topics were: Gait analysis and usage of the clinical practice, Scapula based on shoulder rehabilitation, Brachial Plexus lesions and Physiotherapy, early Intervention, and Redcord exercises for sports rehabilitation.

Training of Trainers

They also had the opportunity to have tours in the preclinical and clinical laboratories of the visited institutions. Jordanian professors applauded the experience that will enrich the teaching and training of JUST-CRS students collaborations with well-known academics in the field of rehabilitation, and pledged to present about what they have learned in Europe back in Jordan.

Thanks to the EU Erasmus Plus Program for support and fund of the whole project.; staff' travel and cost of stay are covered.





Teaching Activities

5.2.1 Prof Helen Dawes, Prof. Karen Barker and Dr. Johnny Collett participated in teaching mobility to JUST to teach at JUST-CRS

The [JUST-CRS master's program](#) has hosted a number of international lecturers and speakers from partner European institutions as part of JUST-CRS Implementation Work package. Professor. Helen Dawes is a professor of Movement Science and Head of Centre for Rehabilitation and Movement Science Group as well as the Deputy Director Oxford Institute of Nursing & Allied Health Research in Oxford Brookes University, U. Professor Collett is a Senior Clinical Research Fellow at the Physiotherapy and Rehabilitation, Faculty of Health and Life Sciences, Oxford Brookes University, UK. Professor. Karen Barker is the Clinical Director for Musculoskeletal Services at the Nuffield Orthopaedic Centre & Professional lead,

Director of Therapy Research and an honorary Professor at Oxford Brookes University, UK.

The visiting professors have conducted a face to face teaching mobility to our first and second Cohorts at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). They taught different units as part of CRS course: CRS 724 Advanced theories and practice in neurological rehabilitation I and II. The Professors appreciated the enthusiasm and eagerness of the attending students to learn and seek up to date knowledge on neurologi-

Teaching Activities

5.2.2 Prof Volga Bayrakçi Tunay, Gulcan Harput, and Elif Targut participated in teaching mobility to JUST to teach at JUST-CRS

Professor Volga Bayrakçi Tunay, is a charter member and co-president of the Sports Physiotherapy Association and also professor of physiotherapy at the Faculty of Health Sciences, Hacettepe University, Turkey. Dr. Gulcan Harput and Dr. Elif Targut are assistant professors of physiotherapy at Hacettepe University.

The delegate from Hacettepe University, led by Prof. Tunay, has conducted teaching mobility and participated in teaching our first/Second Cohorts face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). They taught some sports rehabilitation modules that are part of the CRS 733 Sports Rehabilitation. Students interacted enthusiastically with Prof. Tunay, who highlighted the students' interest in learning and discussion.



5.2.3 Prof İREM DÜZGÜN and Tüzün Fırat participated in teaching mobility to JUST to teach at JUST-CRS

The JUST-CRS master's program has hosted a number of international lecturers and speakers from partner European institutions as part of JUST-CRS Implementation Work package. Prof. DÜZGÜN, is an associate professor, lecturer and researcher in the Physical Therapy Department of the Faculty of Health Sciences, Hacettepe University. Prof. Fırat is an associate professor and has been performing academic and clinical studies in the Hand Surgery Rehabilitation Unit, Department of Physiotherapy and Rehabilitation, Faculty of Health Sciences, Hacettepe University since 2007.

Teaching Activities

Both professors have conducted teaching mobility and participated in teaching our first/Second Cohorts face to face at the faculty of Applied Medical Sciences at Jordan University of Science & Technology (the host of the master program). Prof. DÜZGÜN and Firat have taught Shoulder and elbow rehabilitation modules of CRS of the CRS master program course CRS-736 & CRS-737 Advance Theories and Practice in Orthopedic Rehabilitation I & II. Students interacted enthusiastically with the lecturers who applauded the students' interest in learning and discussion.



5.2.4 Prof Sibel Aksu Yildirim and Prof. Akmer Mutlu participated in online teaching activities at JUST-CRS

As part of JUST-CRS Implementation Work package, the JUST-CRS master's program has hosted a number of international lecturers and speakers

from partner European institutions, either face-to-face or online. Professor Yildirim, is a professor of Physical therapy at the neurological rehabilitation unit, Physical Therapy and Rehabilitation Department, Hacettepe University, Turkey. Both have conducted an online lecture and participated in teaching our first/Second Cohorts through the available online platforms. Prof. Yildirim and Prof. Mutlu has taught part of the CRS 742 Evidence-Based Clinical Reasoning in Rehabilitation Sciences.



Teaching Activities

5.3 JUST-CRS Laboratories



5.2.5 Prof. Isabel Guimarães taught online in JUST-CRS

Professor **Guimarães**, is a professor of Speech Pathology at Alcoitao School of Health Sciences(ESSA). She is the Director and Founder of the Portuguese Journal of Speech Therapy. As part of JUST-CRS Implementation Work package, Prof **Guimarães** has participated in teaching our first/Second Cohorts through the available online platforms. Prof. **Guimarães** has taught part of the CRS master program course CRS 791 Research Methods in Rehabilitation Sciences. Students were excited to learn from Prof. Guimarães, who commended the students' interaction.

JUST-CRS has started the procurement process and tendering procedures to establish two state-of-the-art laboratories at the Faculty of Applied Medical Sciences at JUST (the host of the JUST-CRS Master program) to serve students' needs in the program. The two laboratories are the clinical neurodevelopmental laboratory and Movement science laboratory will serve multiple courses, such as orthopaedic rehabilitation, neurological rehabilitation, sports rehabilitation, motor learning, and research methodologies.

The intent was to have equipment that is already being used in most of the partner universities. Therefore, we improve collaborative teaching, and future collaboration. The procurement process involved multiple steps of refinement and selection process. This process followed the university regulations as well as the EACEA Erasmus + Fund. Although procurement of the final list of equipment has suffered tremendous and multiple delays, the JUST-CRS were insisting that equipment is so important to the sustainability of the project and its outcome; the JUST-CRS Master Program. You can check the requested equipment **by visiting the link** <http://crs.just.edu.jo/Pages/default.aspx>

5.4 Ad-Hoc Administrative Meeting for JUST-CRS Coordinators

The JUST-CRS project organized a face to face meeting with representatives of the European and Jordanian partners in February 2019 at Jordan University of Science and Technology. Since the last administrative face to face meeting was July 2017, this meeting was needed to discuss the timeline of the JUST-CRS project in different work packages. The Meeting was organized for two days at the Academic Development Center and Quality Assurance at Jordan University of Science & Technology. It was attended by coordinators and delegates from all consortium partners; Prof. Helen Dawes and Ms. Kim Chapman from Oxford Brookes University, Prof. Ayşe Karaduman and Prof. Gonca Bumin from Hacettepe University, Prof. Antonio Lopez from ESSA, Portugal, Dr Saad Al Nasaan from the Hashemite University, Dr. Lara Khlaifat a delegate on behalf of Prof Ziad Alhawamdeh from University of Jordan and JUST-CRS Project coordinators Dr Mohammad Nazzal and Dr Hanan Khalil from JUST. The meeting was very productive and highlighted issues of urgent matters to the JUST-CRS timeline, including the Laboratory work package, Second Cohort students' training in Europe, and the conduction of the ToT program.



PROFESSORS PROFILES



Dr. Ala'a F. Jaber

Assistant Professor
Occupational Therapy

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Assistant Professor, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology

RESEARCH

His **research interests** include exploring factors associated with functional improvements following stroke and studying the impact of mild traumatic brain injuries on functional performance of affected individuals



Dr. Noor Ismael

Assistant Professor
Occupational Therapy

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Assistant Professor, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology

RESEARCH

Research interests include exploring sensory processing factors that affect children's participation in everyday life activities, and how to design interventions that match children's sensory processing needs.

PROFESSORS PROFILES



Dr. Zakariya H. Nawasreh

Assistant Professor
Physical Therapy

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Assistant professor of Physical Therapy, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology. He earned his PhD degree in Physical therapy from University Of Delaware in the United States in 2015.

RESEARCH

Main research interests include Orthopedic and sports rehabilitation.



Dr. Mohammad A. Yabroudi

Assistant Professor
Physical Therapy

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Assistant professor of Physical Therapy, Department of Rehabilitation sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology. He earned his PhD degree in Physical therapy from Pittsburg University in the United States in 2015.

RESEARCH

Main research interests include Orthopedic and sports rehabilitation

PROFESSORS PROFILES



Dr. Zaid Al-Hamdan

Associate Professor
Nursing Management

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Dr Al-Hmadan is an Associate Professor of Nursing Management, Department of Community and Mental Health Nursing-Faculty member, Faculty of Nursing, Jordan University of Science and Technology

Dr. Al-Hamdan earned his PhD degree in Nursing Management from De Montfort University, UK

He coordinates the management course in the JUST-CRS program and is a project manager and co-investigator of many research projects.

RESEARCH

His research interest involves many aspects of nurses management including conflict management, job satisfaction, and role of nursing in clinical decision making.



Dr. Alaa Oteir

Assistant Professor
Paramedicine

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Dr Oteir is an Assisstnat Professor of Paramedicine, Department of Allied Medical Sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology

Dr. Oteir earned his Paramedicine PhD degree from Monash University, Australia

He coordinates the management course and provide administrative assistant to the JUST-CRS program.

Alaa is an adjunct lecturer with Monash University

RESEARCH

His research interest includes prehospital and emergency, cardiopulmonary resuscitation, emergency staff wellbeing, trauma research and patient outcomes

PROFESSORS PROFILES



Prof. Karen Barker

Professor
Movement Science

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Prof. Barker is Clinical Director for Musculoskeletal Services at the Nuffield Orthopaedic Centre & Professional lead.

Director of therapy Research and an honorary Professor Oxford Brookes University.

She is a member of the Chartered Society of Physiotherapy Scientific Advisory committee.

RESEARCH

Received recognition in the Queen's 2020 and was made an Officer of the Order of the British Empire (OBE) for her achievements in physiotherapy research and implementation of research evidence in practice.



Dr. Dido Green

Occupational
Therapy/Rehabilitation

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Dr. Green is a Reader in Occupational Therapy/Rehabilitation.

Her main teaching and research interests include Paediatric Neurodisability Rehabilitation; Translational Medicine; Brain development and occupational performance in childhood; Motor learning and motor control.

RESEARCH

Research studies focus on neuro-disability with an emphasis on clinical applications of science, including use of 3-D motion analysis and functional Magnetic Resonance Imaging (fMRI) and virtual reality technologies to optimize occupational therapy protocols.

PROFESSORS PROFILES



Andreia Carvalho Habib

Senior Lecturer
Occupational Therapy

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Since 2003, [she has been working as an occupational therapist](#) in the Rehabilitation Center of Alcoitão with persons with neurologic dysfunctions (due to CVA, TBI) as outpatients and inpatients.

[Andreia has](#) started her professional experience as an occupational therapist with children with mental handicap.

[She has been a collaborator](#) with the Occupational Therapy Department since 2008 as a clinical supervisor of ERASMUS students and as a lecturer of a seminar in cognitive rehabilitation.



Prof. Maria Rosado

Professor
Physical Therapy

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[Prof Maria is](#) the Deputy Head of the Physical Therapy Department at ESSA.

Since 2007, [she has been teaching Physical therapy](#). Before then she was teaching and working as a physiotherapist for several years.

[She also performed clinical teaching functions](#) between 2004 and 2008 in collaboration with various educational institutions.

RESEARCH

[Her research interest](#) include the area of exercise prescription in physical therapy and its effect on special populations and non-communicable diseases.

PROFESSORS PROFILES



Dr. Zaid M. Mansour

Assistant Professor
Physical Therapy

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Dr Mansour is an Assistant Professor, Department of Physical and Occupational Therapy, Hashemite University, Zarqa, Jordan Scientific Consultant for the Jordanian Physiotherapy Society, Amman, Jordan

He holds a PhD from University of Kansas Medical Center, 2016

RESEARCH

Brain imaging in people with chronic pain, structural brain imaging in people with low back pain, and brain response to non-painful mechanical stimulus to lumbar spine as well as exploring musculoskeletal pain.



Dr Mohammad Madi

Assistant Professor
Physical Therapy

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Dr. Madi is an Assistant Professor at the Department of Physical & Occupational Therapy at The Hashemite University.

He is an active member of the International Association for the Study of Pain.

Dr. Madi completed his PhD studies at the University of Birmingham, United Kingdom.

RESEARCH

Advancing clinical reasoning through manipulative physiotherapy education and Pain Neuroscience & Pain Education

PROFESSORS PROFILES



Prof. Akmer Mutlu

Professor
Physical Therapy

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She is currently working as a lecturer for the Cerebral Palsy Unit in the clinical and research field.

She worked as a researcher on Precht Analysis of Newborns and Infants in the Institute of Physiology, Austria, Graz School of Medicine and as a "pre-doctoral fellow" at Northwestern University and the Rehabilitation Institute of Chicago in United States of America.

RESEARCH

Her research interests include high risk infants, early intervention, general movements of preterm and term infants with Precht Analysis, children with cerebral palsy and other childhood disabilities and their rehabilitation.



Prof. Özlem Ülger

Assoc. Professor
Physical Therapy

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She is currently working as a faculty member at Prosthetic Biomechanics Unit, Department of Physical Therapy and Rehabilitation, Faculty of Health Sciences. Hacettepe University.

She worked as a "Board Member" of the "Turkish Physiotherapy Association" between the years 2006-2009.

She worked as a physiotherapist at the international Project titled "Smart Socket Applications" Ottobock, Duderstadt, Germany in 2008.

RESEARCH

Her research interests include Prosthetics, Orthotics and Biomechanics.

PROFESSORS PROFILES



Prof. Deniz İnal İnce

Professor
Physical Therapy

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A professor in the Cardiopulmonary Rehabilitation Unit, Department of physical Therapy, Faculty of Health Sciences at Hacettepe University.

Received the "International Fellowship" award issued by the American Association for Respiratory Care

She has taught as a faculty member in the Netherlands Saxion University Department of Physiotherapy as part of the ERASMUS.

RESEARCH

Her research interests include Cardiopulmonary Rehabilitation, Respiratory Therapy, Intensive Care, Neonatal Physiotherapy, Exercise Physiology and Rehabilitation in Organ Transplantation



Prof. Esra Aki

Professor
Occupational Therapy

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Prof. Esraa is a lecturer and a researcher of Department of Occupational therapy, Faculty of Health Sciences, Hacettepe University.

She is also the Deputy Head of Department occupational therapy

She has been part of several project supported by higher education institution.

RESEARCH

Her research interest is health sciences mainly focusing on children with low vision, children with muscular dystrophy, conceptual development and visual perception among children

PROFESSORS PROFILES



Dr. Mayis Aldughmi

Assistant Professor
Physical Therapy

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Assistant professor of neurological physiotherapy at the Department of Physiotherapy at the School of Rehabilitation Sciences **She teaches** courses such as neurological rehabilitation, exercise physiology, principles and ethics of rehabilitation, and supervises students in clinical rounds

She holds a graduate diploma in responsible conduct of research.

RESEARCH

Exploring the effect of non-motor symptoms such as sleep disturbances on common motor symptoms in various neurologic conditions

She is also interested in health promotion and non-pharmacological interventions such as exercise therapy to manage motor and non-motor symptoms



Dr. Jennifer Muhaidat

Assistant Professor
Physical Therapy

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Dr. Muhaidat finished her PhD degree in assessing the risk of falls in older adults from Glasgow Caledonian University, UK **She serves** as a reviewer for many peer review journals such as Age & Aging, Gait & Posture and the Journal of Aging & Physical Activity

She is dedicated to promoting physical activity to older adults via community-based projects executed by her undergraduate physiotherapy students

RESEARCH

Her research interests include physical activity assessment and interventions, incidental falls in older adults and gait

PROFESSORS PROFILES



Dr. Lara Al-Khlaifat

Assistant Professor
Physical Therapy

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Dr. Al-Khlaifat holds a PhD in Rehabilitation from University of Salford, UK focusing on the effect of strengthening exercises on knee joint loading and muscle activity in knee osteoarthritis. She currently serves as the head of physiotherapy department at the School of Rehabilitation Sciences, The University of Jordan.

She also serves as a reviewer for many peer review journals for both qualitative and quantitative research studies

RESEARCH

Her research interests are in musculoskeletal physiotherapy focusing on knee osteoarthritis, exercises, physical fitness, physical activity, patients' perception, and service delivery.



Dr. Dania Qutishat

Assistant Professor
Physical Therapy

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Dr. Qutishat holds a PhD in Physiotherapy from Sheffield Hallam University/ UK.

She is the course leader for "Therapeutic Exercise 1 & 2", adopting an experiential learning approach as students engage in community-based projects to promote physical activity.

She launched an initiative called "Moving for health" to raise awareness about physical activity guidelines and encourage staff and students to be more active.

RESEARCH

Her research interests include physical activity assessment and interventions, and physiotherapy education.

Contact Us

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