



# Heba M. El-Basatiny

Associate professor

## Personal Data

Nationality | Egyptian

Date of Birth | 1/6/1972

Department | physical therapy

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## Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others	-	-	-

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2004	PhD in pediatric physical therapy	Faculty of physical therapy	Cairo-university
1999	MSc. In pediatric physical therapy	Faculty of physical therapy	Cairo-university
1993	BSc. In physical therapy	Faculty of physical therapy	Cairo-university

## PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Postural control training: effect on balance and locomotion in hemiparetic children.
Master	Effect of selected exercise program on reaching abilities and EMG profiles in spastic hemiparetic cerebral palsy children.
Fellowship	-----



**Professional Record: (Beginning with the most recent)**

Job Rank	Place and Address of Work		Date
Professor	Pediatric Physical Therapy department	faculty of physical Therapy, Cairo-University, Egypt.	2016
Associate professor	College of applied medical sciences-physical therapy department	Imam Abdulrahman Bin Faisal University – Dammam - KSA	2014
Assistant professor	College of applied medical sciences-physical therapy department	Imam Abdulrahman Bin Faisal University – Dammam - KSA	2009
Assistant professor	Pediatric Physical Therapy department	faculty of physical Therapy, Cairo-University, Egypt.	2009
Assistant chief physiotherapy Lecturer	Physical therapy department	King Fahad specialist Hospital - Dammam – KSA.	2006
Lecturer	Pediatric Physical Therapy department	faculty of physical Therapy, Cairo-University, Egypt.	2004
Lecturer (part time)	College of physical therapy	MISR University for medical & technology sciences (MUST)-6 <sup>th</sup> October - Egypt	2004
Assistant lecturer	Pediatric Physical Therapy department	faculty of physical Therapy, Cairo-University, Egypt.	1999
Demonstrator	Pediatric Physical Therapy department	faculty of physical Therapy, Cairo-University, Egypt.	1994

**Administrative Positions Held: (Beginning with the most recent)**

Administrative Position	Office	Date
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## Scientific Achievements

### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	- Heba M.Youssr El-Basatiny. - Amr Almaz Abdel-aziem	Effectiveness of backward walking training on walking ability in children with hemiparetic cerebral palsy: a randomized controlled trial	Clinical Rehabilitation 2017, Vol. 31(6) 790–797
2	- Heba M.Youssr El-Basatiny. - Amr Almaz Abdel-aziem	Effect of backward walking training on postural balance in children with hemiparetic cerebral palsy: a randomized controlled study	Clinical Rehabilitation , 2015, Vol. 29(5) 457–467
3	- Heba M.Youssr El-Basatiny. - Amr Almaz Abdel-aziem	Effect of trunk exercises on trunk control, balance and mobility function in children with hemiparetic cerebral palsy	International journal of therapies and rehabilitation research, 2015;4(5):236-243
4	- Heba M.Youssr El-Basatiny.	Evaluation of Plantar Pressure Distribution in Down Syndrome Children	Bulletin of faculty of physical therapy- Cairo university-vol.0, No. 00. 2015.
5	- Heba M.Youssr El-Basatiny. - Ehab Mohamed Abd El-Kafy	Assessment of Dynamic Postural Balance among Saudi Adolescent Girls in Al-Khobar- Saudi Arabia	Indian Journal of Physiotherapy & Occupational Therapy. January-March 2014, Vol. 8, No. 1
6	- Heba M.Youssr El-Basatiny. - Mahmoud Fathy El-Sharkawy	Effect of indoor air pollution on postural balance control among school students	Int J Physiother. Vol 1(5), 252-261, December (2014)
7	- Heba M.Youssr El-Basatiny. - Ehab Mohamed Abd El-Kafy	Effect of Postural Balance Training on Gait Parameters in Children with Cerebral Palsy	Am. J. Phys. Med. Rehabil. & Vol. 93, No. 11, November 2014
8	- Heba M.Youssr El-Basatiny. - Sherin H. Mohamed	Effect of Treadmill Training with Body Weight Support on Energy Expenditure and Walking Velocity in Spastic Diplegic Children.	Bulletin of faculty of physical therapy- Cairo university-vol.14, No. (1) Jan. 2009.



9	Heba M.Youssr El-Basatiny. - Hoda M. Zakaria. - Sahar M. Adel. - Shorok A.W. EL-Shennawy.	Efficacy of dual task specific training on upper-extremity function of hemiplegic cerebral palsy.	Bulletin of faculty of physical therapy- Cairo university-vol.14, No. (1) Jan. 2009.
10	- Heba M.Youssr El-Basatiny. - Iman A. Ali.	Effect of Botulinum Toxin Type A (BTX) on lower extremity joint angles in children with spastic hemiplegia.	Egyptian Journal of Pediatrics vol.26, No. 2 (June), 409-425, 2009.
11	- Heba M.Youssr El-Basatiny. - Hoda M. Zakaria - Nashwa S. Hamed.	Effect of forced use of the upper extremity on functional outcome in hemiplegic cerebral palsy children	Bulletin of faculty of physical therapy- Cairo university-vol.13, No. (1) Jan. 2008.
12	- Heba M.Youssr El-Basatiny. - Abeer Abdelrahman	Effect of neuromuscular electrical stimulation of spinal muscles on back geometry in spastic cerebral palsied children.	Bulletin of faculty of physical therapy- Cairo university-vol.13, No. (2) Jul. 2008.
13	- Heba M.Youssr El-Basatiny. - Nanees Essam M. Salam.	Effect of Bobath Axillary Roll in posture Adjustment of spastic Hemiplegic Cerebral Palsied Children.	Bulletin of faculty of physical therapy- Cairo university-vol.12, No. (2) Jan. 2007.
14	- Heba M.Youssr El-Basatiny. - Abeer Abo Baker Elwishy.	Inflatable pressure splint combined with neurodevelopmental treatment: effect on spasticity and balance in diplegic cerebral palsied children.	Bulletin of faculty of physical therapy- Cairo university-vol.10, No. (2) Jul. 2005.
15	El Tohamy, A., Kholosy, H., El Basatiny, H.	Effects of selected exercise program on reaching abilities in spastic hemiparetic cerebral palsied children.	Bull Egypt Soc Physiol Sci. (1998), 18: 147-159.

### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
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### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Fatimah Ahmad Alzاهر Heba M.Youssr El-Basatiny	The effect of physiotherapy program on hip pain and postural control in adolescents with sickle cell disease	7 <sup>th</sup> international conference & exhibition on physiotherapy & physical rehabilitation – March 25-26, 2019 – Roma – Italy

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
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### Current Researches

#	Research Title	Name of Investigator(s)
1	Effect of pelvic floor exercise combined with core stabilization exercise on females with non-specific low back pain	- Heba M.Youssr El-Basatiny. - Amr Almaz Abdel-aziem
2	Cardiovascular response to aerobic exercises in children with type 1 diabetes mellitus	- Mohamed Abdelkader Al Maghraby - Heba M.Youssr El-Basatiny. - Anas Alduhishy - Mohammad Hussain Al-Qahtani

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Completion the national institute of health (NIH) Web based training course (protecting human research participants)	Web based training at 16/12/2015	Certified
2	Successfully completed the cognitive & skills evaluations in accordance with the curriculum of the American Heart Association basic life support (CPR & AED) program (BLS).	Held on 23/5/2016 at king Fahd hospital of the university	Certified
3	Saudi physical therapy conference, 2010	University of Dammam	Chairperson of technical support committee and speaker



4	Workshop on motion analysis for P.T. staff members	biomechanical lab-female section- November, 2010	Speaker
5	Rehabilitation of cerebral palsy children seminar	King Fahad hospital in Hofuf (2-3/March/2011)	Speaker & apply workshop
6	Present a lecture on motion analysis system for orthopedic department staff-faculty of medicine-university of Dammam.	Biomechanical lab- female section – physical therapy department-UoD. (March-2011)	Presenter
7	Present a lecture on motion analysis system to a delegation from Um Al-Quora & king Abdelaziz universities	Biomechanical lab- female section – physical therapy department-UoD. (March-2011)	Presenter
8	Workshop on sports taping, wrapping, bracing & padding techniques	University of Dammam Building (350) (4-5/5/2011)	Coordinator
9	Workshop on application of specific PNF techniques in different neurological conditions	University of Dammam CAMS (main hall) (19/5/2011)	Coordinator
10	Assessing and treating pregnancy related pelvic pain	21/9/2011(7CME) UoD-CAMS-physical therapy department	Attendance and organizer
11	Workshop on formetric 4D system	11/3/2012-Biomechanical lab-physical therapy department-CAMS-University of Dammam	Attendance & organizer
12	Workshop on concept program gait real-time analysis interactive lab (virtual reality)	University of Dammam-College of Applied Medical Sciences-physical therapy department. 24-25/4/2013	Coordinator and attendance
13	Cardiopulmonary resuscitation in accordance with the standards & guidelines of the Saudi / American Heart Association for the Basic Cardiac Life Support program.	King Fahad specialist Hospital – 2008 - Dammam – KSA.	BLS provider
14	New horizon in spinal cord injuries rehabilitation.	25-26/ March / 2008 at KFSD, Saudi Arabia.	Attendance
15	Physiotherapy management of different neurological problems	(Held on 2-3/ 6/ 2007 In Qatif Central Hospital).	Attendance
16	2nd Gulf Colloquium for Physiotherapy.	(Held on November 28-29, 2007 at King Fahad Hospital of the University, Al-Khobar, Saudi - Arabia).	Attendance
17	Home care services workshop (one concept & different experience).	KFSD-D, (held on 12/ June/ 2008).	Attendance
18	Manual Therapy workshop.	KFSD-D (held on April 6, 2008). Presented by, Assoc. Prof. Vlasta Tosnerova, consultant rehabilitation medicine Czech Republic.	Attendance



19	Academic development projects (E-learning & blended learning: teaching & learning skills for online education.	KFUPM- Meridian al-Gulf.	Attendance
20	Development, creativity & excellence project of the faculty members in Saudi universities (strategic planning cycle, in academic institutions).	Meridian Al- Gulf.	Attendance
21	Staff member preparation cycle certificate.	Cairo-university	Attendance
22	Faculty & leadership development project certificate in (effective communication skills, effective showing skills, recent methods in teaching, scientific writing and presentation .....).	Cairo-university	Attendance
23	Certificate of attendance of pediatric conference under the title of (hot topics in pediatrics)	KFHU.	Attendance
24	SPSS workshop.	University of Dammam, college of applied medical sciences.	Attendance
25	Teaching Portfolio	University of Dammam, college of applied medical sciences.	Attendance & organizer
26	LASER workshop	Physical therapy department, college of applied medical sciences, university of Dammam.	Attendance
27	7th GCC Medical Colleges Conference, Medical Education: Research and Applications.	King Faisal University, college of medicine, kingdom of Saudi Arabia, 17-19 November, 2009.	Attendance & organizer
28	Symposium on: genetic disorder	Al-Hofuf-alhasa	Attendance
29	Competitive research projects course	Faculty & leadership development Centre at Cairo-university (24/7/2010-26/7/2010)	Attendance
30	Credit hours system course	Faculty & leadership development Centre at Cairo-university (23/8/2010-25/8/2010)	Attendance
31	Scientific publication cycle course	Faculty & leadership development Centre at Cairo-university (30/8/2010-1/9/2010)	Attendance
32	Activities of CAMS	every Tuesday of each week	Attendance
33	2nd Saudi international pediatric neurology conference	king Fahad medical city, Riyadh	Attendance
34	Pediatric neurology symposium	At al-Sharqiyah commercial chamber hall- held on 22-23 safer 1432.	Attendance
35	Trigeminal neuralgia lecture	Al –Dhahran international hotel (within the activity of eastern	Attendance



		province of neurological surgeons) held on 8/2/2011	
36	Workshop on (the best practices for doing high quality research), by Richard Alitman.	Dammam university – conference building (21/2/2011-18/3/1432)	Attendance
37	Mini-symposium on Psoriasis	King Fahad hospital in Hoff	Attendance
38	Week of e-learning	Dammam University –conference building	Attendance
39	Workshop on spina-bifida & folic acid within the activity of Saudi pediatric association	At sultan bin Abdelaziz science & technology center (SciTech) (30/4/2011)	Attendance
40	Workshop on principles of curriculum development	Dammam University –conference building at 4/5/2011	Attendance
41	Workshop on assessment strategies	University of Dammam – conference building at 28-29/5/2011	Attendance
42	Lecture on international classifications of universities and methods of application.	University of Dammam Conference building (11)	Attendance
43	The 5th SPPG pediatric respiratory outreach –Mini-Symposium	At medical education Centre at king Fahad university housing compound-29/12/2011 (10 CME)	Attendance
44	Attention deficit hyperactivity disorder (diagnosis & therapy).	National guard (5 CME) 7/3/2012	Attendance
45	A workshop on how to search databases IN Saudi Digital Library	University of Dammam-conference building (11) 11-12/3/2012	Attendance
46	The 6TH Hot topics in pediatrics.	At medical education Centre at king Fahad university housing compound-13-14/3/2012	Attendance
47	5th Middle East physical medicine & rehabilitation conference	Abu Dhabi National Exhibition Centre, UAE - 15-16/10/2012	Attendance
48	cerebral palsy (updates & advances)	Disabled children's Association-Riyadh centre-11/12/2012	Attendance
49	Workshop on gait analysis: Brainstorming with other prospective and advanced techniques in shoulder	University of Dammam-College of Applied Medical Sciences-physical therapy department. 4/12/2012	Attendance
50	Workshop on Synopsis of shiatsu techniques for physical therapists.	At the department of physical therapy- college of applied medical sciences-university of Dammam-13-10-2011	Organizer
51	Workshop on: spinal manual therapy (part-A): lumbar spine and SIJ.	At the department of physical therapy- college of applied medical sciences-university of Dammam-13-15/12-2011	Organizer
52	Workshop on: dizzy and imbalanced patients.	At the department of physical therapy- college of applied medical	Organizer





		sciences-university of Dammam-7-8/3-2012	
53	Workshop on virtual reality system (MoteK Training) (GRAIL & Stable devices)	University of Dammam-College of Applied Medical Sciences-physical therapy department. 18/3/2013	Attendance
54	Workshop on neurological examination & diagnosis for rehabilitation therapists	University of Dammam-College of Applied Medical Sciences-physical therapy department. 31/1/2013	Coordinator
55	Workshop on physical therapy evaluation & treatment skills for children with cerebral palsy	University of Dammam-College of Applied Medical Sciences-physical therapy department. 13-14/3/2013	Coordinator
56	Workshop on Sport taping, wrapping, bracing & padding: part A: lower limb techniques.	University of Dammam-College of Applied Medical Sciences-physical therapy department. 10-11/4/2013	Coordinator
57	6th students' research day	University of Dammam-Building (11). 16/4/2013	Attendance
58	Course portfolio workshop	University of Dammam- college of applied medical sciences-7/5/2013	Attendance
59	OSCE: the art & science symposium & workshop	University of Dammam-Building (11). 8/5/2013	Attendance
60	Strategic planning training course	Faculty and leadership development centre at Cairo-university- 29-30/7/2013	Attendance
61	Quality standards in teaching training course	Faculty and leadership development centre at Cairo-university- 31/7/2013 – 1/8/2013	Attendance
62	Essential skills of health professions education (Teaching & learning)	Deanship of education development at UOD -21-23 Dec. 2015	Attendance
63	Workshop on (creating media & interactive content	Deanship of education development at UOD –January 18th 2016	Attendance
64	Essential skills of health professions education (curriculum development)	Deanship of education development at UOD ;1-3 Feb. 2016	Attendance
65	Workshop under the title of basics of advanced curriculum	Deanship of education development at UOD 20-1-2016	Attendance
66	Workshop under the title of the art of lecturing for the academic professor	Deanship of education development at UOD 21-1-2016	Attendance
67	Workshop on integrating leadership skills in Academic curriculum	Deanship of education development at UOD November 18th 2015	Attendance
68	Workshop on interactive teaching and student's engagement	Deanship of education development at UOD Dec 2nd 2015	Attendance



69	Workshop on using Meta-cognition strategies in classroom	Deanship of education development at UOD August 18th 2015	Attendance
70	Developing core competencies in teaching and learning for faculty members	Deanship of education development at UOD (4 days)	Attendance with certificate
71	Learning strategies workshop	Deanship of education development at UOD (14-15 September 2015)	Attendance
72	Optimize the use of web of sciences services (learn how to use EndNote)	Deanship of education development at UOD 17 December 2014	Attendance
73	First international conference for paediatric rehabilitation in the eastern province	Held on 10-11, September 2014, Meridian AL Khobar, Saudi Arabia	Attendance
74	Workshop on using and creating effective rubrics	On Tuesday, 21 September 2017 at Deanship of education development of IAU	Attendance
75	Training workshop on effective searching of electronic information resources	Held on 10-10-2017 at information learning and research commons, deanship of library affairs of IAU	Attendance
76	Workshop on endnote desktop program	Held on 31-1-2018 at information learning and research commons, deanship of library affairs of IAU	Attendance
77	Workshop on learning outcomes for programs & courses	Held on Tuesday, 20 February 2018 at Deanship of education development of IAU	Attendance
78	Workshop on alternative & effective assessment (performance assessment, portfolio, etc)	Held on Tuesday, 10 April 2018 at Deanship of education development of IAU	Attendance
79	Workshop on alternative & effective assessment methods	Held on Wednesday 22, February 2017 at Deanship of education development of IAU	Attendance
80	Workshop on avoiding common teaching mistakes, A discussion	Held on Wednesday, January 11 <sup>th</sup> 2017 at Deanship of education development of IAU	Attendance
81	Three-day training program on mentor training program	Held on January 9-10, 2017 at Deanship of education development of IAU	Attendance
82	Workshop on learning outcomes for programs and courses	Held on Tuesday, march 1 2018 at Deanship of education development of IAU	Attendance
83	Workshop on the pursuit of excellence in mentoring in higher education	Held on September 27, 2017 at conference room building 55 under the series of faculty development activities of IAU.	Attendance



84	2 <sup>nd</sup> annual MENA physical medicine and rehabilitation congress-with the title: improving lives through interdisciplinary rehabilitation approach	Held from 2-4 November 2017, Dubai, UAE.	Attendance
85	11 <sup>th</sup> Hot Topics in Paediatrics	Held in King Fahd Hospital of the University – AL Khobar on March 1,2 – 2017.	Speaker
86	Cardiopulmonary resuscitation in accordance with the standards & guidelines of the Saudi / American Heart Association for the Basic Cardiac Life Support program.	Held in King Fahd Hospital of the University – AL Khobar on May 2016	BLS provider
87	1 <sup>st</sup> Saudi hemophilia MSK symposium	At Madinah on April 28, 29 – 2017	Attendance & participation
88	13 <sup>th</sup> Madinah hematology meeting (bleeding disorders and thrombosis)	At Madinah on May 5-6, 2017	Attendance & participation
89	workshops of UOD and Thomson Reuters – strategic partnership workshop series (3 <sup>rd</sup> phase) – 23 <sup>rd</sup> workshop: research funding II / 24 <sup>th</sup> workshop: research funding III	At Award building (Main Hall) on 21/12/2016	Attendance
90	workshops of UOD and Thomson Reuters – strategic partnership workshop series (2 <sup>nd</sup> phase) – ESA: analyze research performance and identify significant trends / Incites: bench mark and generate reports	Building 11 at IAU on 2/6/2016	Attendance
91	workshops of UOD and Thomson Reuters – strategic partnership workshop series: Bibliographic search and publishing methodology / Bibliography management	Building 11 at IAU on 5/2016	Attendance
92	Workshop on open educational resources enrich your class	Held on 6/2016 at Deanship of education development of IAU	Attendance
93	Workshop on endnote online	Held on 25/9/2018 at information learning and research commons, deanship of library affairs of IAU	Attendance
94	Intensive training program on mentor training	Held on 20-21/11/2018 at Deanship of education development of IAU	Attendance



### Membership of Scientific and Professional Societies and Organizations

- A member of the Egyptian General Association for physical therapy
- A member of the Middle East Association of alternative medicine.
- A member in Saudi Pediatric Association

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Introduction to physical therapy	PT 215	2 LECTURES / WEEK
2	Normal development	PT 314	2 LECTURES / WEEK
3	Ethics of physical therapy profession	PT 419	2 LECTURES / WEEK
4	Pediatrics	PT 421	1 LECTURE / WEEK
5	Pediatrics surgery	PT 422	1 LECTURE / WEEK
6	Pediatrics physical therapy	PT 423	2 LECTURES / WEEK
7	Clinical practice III	PT 418	3 UNITS CLINICAL
8	Clinical practice IV	PT 427	3 UNITS CLINICAL
9	learning skills course	-----	1 LECTURE / SEMESTER (SHARING TEACHING)

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	<p><b>Introduction to Physical Therapy – PT 215:</b> This course introduces the field of physical therapy to the students. Main topics include history, definitions, scopes, components and principles of physical therapy profession, professional behavior, and legal and ethical concepts affecting physical therapy practice. Emphasis will be placed on the role of physical therapists as members of health care team in promotive, curative and rehabilitative care.</p>
2	<p><b>NORMAL DEVELOPMENT - PT 314:</b> This course will provide the student with the physiological changes which occur in different body systems from infancy through senility. Alternative theories of human development, and motor control &amp; learning will be compared and contrasted. Basic sensory motor development and reflexes during the first year of life will be discussed. Selected clinical implications to the body changes across life span will also be addressed.</p>
3	<p><b>Ethics of physical therapy profession – PT 419:</b> This course designs to allow the students to develop theoretical understanding of ethical aspects of physical therapy as a career, know the duties and rights of the physical therapists including the skills of handling patients and also dealing with his colleagues.</p>
4	<p><b>Clinical Practice III – PT 418:</b> Supervised clinical experience in evaluation and rehabilitation of patients with common neurological and neurosurgical conditions encountered by physical therapists. Recent neurophysiological approaches and techniques will be addressed.</p>
5	<p><b>Pediatrics – PT 421:</b> This course is provided the common pediatric diseases commonly treated by physical therapists. The etiology, pathological changes, clinical manifestations, evaluation, investigations, complications, and medical treatment will be covered. Motor development and reflexes of neonates to 12 months is emphasized.</p>
6	<p><b>Pediatric Surgery – PT 422:</b> This course is provided operative procedures for the common pediatric disorders treated by physical therapists. Indications, complications, procedures, and pre- and post- operative assessment of selected</p>



	congenital anomalies, birth injuries, chronic neuromuscular disorders, and skeletal deformities will be discussed.
7	<b>Pediatric Physical Therapy – PT 423:</b> This course provides a basic understanding of evaluation and physical therapy management of the common musculoskeletal, neurologic, and other selected conditions affecting children. Physical management of related surgical conditions will also be discussed.
8	<b>Clinical Practice IV – PT 427:</b> Directed clinical experience in evaluation and treatment of common pediatric disorders encountered by physical therapists. Geriatric, burns, and OB-GYN conditions for all age groups will also be covered. Emphasis will be on total integration of previously acquired knowledge, evaluation, and therapeutic skills.

## Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Advanced motor learning & control	PT 517	2 CREDITS HOURS
2	Advanced clinical practice 1	PT 521	3 CREDITS HOURS – 135 CONTACTS HOURS (6 HOURS / DAY – 5 DAYS / WEEK)
3	Advanced pediatric physical therapy 1	PT 515	4 CREDITS HOURS (3 LECT. + 1 LAB)
4	Advanced clinical practice II	PT 530	3 CREDITS HOURS – 135 CONTACTS HOURS (6 HOURS / DAY – 5 DAYS / WEEK)
5	Advanced pediatric physical therapy II	PT 528	3 CREDIT HOURS

## Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	<b>Advanced motor learning &amp; control – PT 517:</b> This course is designed to introduce you to major concepts within motor control and motor learning across the human lifespan. Both behavioral and neural levels of analyses will be discussed. The focus of this course is sex folds. First, students will review the recent literature on motor learning, motor control, and motor performance and discuss their implications for physical therapy. Second, students will explain the neurological processes underlying efficient movement. Third, students will compare and contrast the theories and processes by which motor skills are acquired. Fourth, students will explain the principles of skill acquisition and apply them to the learning and teaching of motor skills. Fifth, students will analyze motor performances for the purpose of identifying and correcting movement errors. Sixth, students will compare and contrast factors such as attention, anticipation, goal-setting, practice, retention, and transfer of learning as they relate to movement activities.
2	<b>Advanced clinical practice 1 – PT 521:</b> This course is designed to advance the students' expertise in the examination, evaluation, diagnosis, prognosis, intervention, and management of patients in pediatric physical therapy. It is expected that the student will gain an in-depth understanding of the science underlying clinical techniques and evidence-based practice. Students are also expected to perform re-examinations, measure patient outcomes, and modify interventions accordingly.
3	<b>Advanced pediatric physical therapy 1 – PT 515</b> This course provides in-depth exploration of the assessment and intervention procedures used with children suffering from neuropediatric pathologies. Emphasis is placed on activity-based, task-specific exercise, functional and progressive strength training, and treadmill and balance training. Various treatment and



	intervention approaches will be discussed. The course focuses on evidence-based examination and intervention of children with disabilities within the context of child, family, and environmental factors. This course includes laboratory sessions that will focus on hands-on evaluation/management techniques for the conditions related to the practice of pediatric physical therapy in neuropediatric pathologies.
4	<b>Advanced clinical practice II – PT 530</b> This course is designed to advance the students' expertise in the examination, evaluation, diagnosis, prognosis, intervention, and management of patients in pediatric physical therapy. It is expected that the student will gain an in-depth understanding of the science underlying clinical techniques and evidence-based practice. Students are also expected to perform re-examinations, measure patient outcomes, and modify interventions accordingly.
5	<b>Advanced pediatric physical therapy II – PT 528</b> This course provides in-depth exploration of the assessment and intervention procedures used with children suffering from musculoskeletal and cardiopulmonary pathologies. The students will apply the relevant knowledge of anatomy, physiology, biomechanics, genetics, pharmacology, pathology, and child psychology to evaluation and treatment planning for the children with such pathologies. Students will be acquainted with some of the issues related to pediatric physical therapy practice, e.g. cardiorespiratory fitness training; rehabilitation technology; early intervention; special education; schools; sports settings for the school-aged child; assistive technology; augmentative communication and other technologies; pediatric intensive care unit; high risk infant; incubators; pediatric leukemia; others. The course focuses on evidence-based examination and intervention of children with disabilities within the context of child, family, and environmental factors. The importance of family centered care, parent child interactions, group therapy, and play are explored. This course includes laboratory sessions that will focus on hands-on evaluation/management techniques for the conditions related to the practice of pediatric physical therapy in musculoskeletal and cardiopulmonary pathologies.

## Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Introduction to physical therapy (215)		√	√		2010	NOW
2	Normal development (314)		√	√		2010	NOW
3	Ethics of physical therapy profession (419)		√	√		2012	2015
4	Pediatrics (421)		√	√		2009	NOW
5	Pediatrics surgery (422)		√	√		2009	NOW
6	Pediatrics physical therapy (423)		√	√		2009	NOW
7	Clinical practice III (418)		√	√		2010	NOW
8	Clinical practice IV (427)		√	√		2009	NOW
9	Advanced motor learning & control (517)		√		√	2013	2017



10	Advanced clinical practice 1 (521)		√		√	2014	2017
11	Advanced pediatric physical therapy 1 (PT 515)		√		√	2014	2017
12	Advanced clinical practice II (PT 530)		√		√	2014	2017
13	Advanced pediatric physical therapy II (PT 528)		√		√	2014	2017

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	learning skills course	Memory building skills	Preparatory year	2011
2	Orientation lecture	Physical therapy field & department	Preparatory year	2012

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Second year (female)	23 (female)	2018	2019
2	Second year (male & female)	21 (female)/.... male	2017	2018
3	Second year (male & female)	25 (female)/.... male	2016	2017
4	Second year (male & female)	17 (female)/.... male	2015	2016
5	Second year (male & female)	16 (female)/...male	2014	2015
6	Second year (female)	19 (female)	2013	2014
7	Second year (female)	30 (female)	2012	2013
8	Second year (female)	27 (female)	2011	2012

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master thesis	Effect of Bobath Axillary Roll in posture Adjustment of spastic Hemiplegic Cerebral Palsied Children	Cairo university	2006
2	Master thesis	The Effect of Physiotherapy Program on Hip Pain and Postural Control in Adolescents with Sickle Cell Disease	University of Dammam	2014



## Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
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## Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

### Administrative Responsibilities

#	From	To	Position	Organization
1	2017	Now	Academic advisor for female section	Physical therapy department, college of applied medical sciences, IAU
2	2012	Now	Head and coordinator	Physical therapy out clinics of IAU
3	2010	2012	Head of laboratories committee, female section	Physical therapy department, applied medical sciences, University of Dammam
4	2010	-----	Chairperson of technical support committee	Saudi P.T. conference

### Committee Membership

#	From	To	Position	Organization
1	-----	-----	Student support committee	College of Applied Medical Sciences, university of Dammam
2	-----	-----	Communication committee	College of Applied Medical Sciences, university of Dammam
3	-----	-----	Continuous education committee	Physical therapy department, Applied Medical Sciences, university of Dammam
4	-----	-----	Laboratories committee (female section)	Physical therapy department, Applied Medical Sciences, university of Dammam
5	-----	-----	Community service committee & student affairs	Physical therapy department, Applied Medical Sciences, university of Dammam
6	-----	-----	Neurology & Pediatrics Physical Therapy group	Physical therapy department, Applied Medical Sciences, university of Dammam
7	-----	-----	Quality & curriculum committee	Physical therapy department, Applied Medical Sciences, university of Dammam
8	-----	-----	Research excellence committee for rehabilitation and human performance Centre.	Physical therapy department, Applied Medical Sciences, university of Dammam





### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
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### Volunteer Work

#	From	To	Type of Volunteer	Organization
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### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Computer skills
2	-----

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### Last Update

...3... / ...1.../2019