Faculty of Rehabilitation

Bartosz Molik

Józef Piłsudski University of Physical Education in Warsaw (www.awf.edu.pl)

Approx. 550 students
310 – bachelor level (3 years)
240 – master degree level (2 years)

Approx. 150 students – bachelor level (3 years)

Authority of Faculty of Rehabilitation

Dean
Prof. Andrzej Kosmol Ph.D

Vice Dean for Science
Assoc. Prof. Bartosz Molik, Ph.D., P.T.

Vice-Dean for Students Affairs and Didactics
Ph.D. Pawel Targosinski P.T.
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<tr>
<th>Department of Sport for Persons with Disabilities</th>
<th>Chair of Theory and Methodology of Teaching Movement</th>
<th>Department of Adapted Physical Activity</th>
<th>Department Theory and Methodology of Physical Education for Persons with Disabilities</th>
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<tbody>
<tr>
<td>Izabela Rutkowska</td>
<td>Waldemar Skowroński</td>
<td>Natalia Mrogulec-Adamowicz</td>
<td>Andrzej Kosmol</td>
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<td>Bartosz Molik</td>
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<td>Grzegorz Bednarczuk</td>
<td>Jolanta Marszałek</td>
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<td>Judit Lencse-Mucha</td>
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<td>Kalina Kazmińska-Kowalska</td>
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<td>Anna Ogonowska-Śląsicka</td>
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**I grade (bachelor degree)**

- Active rehabilitation - wheelchair maneuverability
- Wheelchair basketball
- Wheelchair rugby
- Swimming

**II grade (master degree)**

- Sport for persons with disabilities (theory) (2 ECTS)
- Adapted physical activity (theory) (4 ECTS)
- Sport team games (2 ECTS)
- Swimming and lifeguarding (1 ECTS)
- Athletics (2 ECTS)

**I grade (bachelor degree)**

- Physical education-conditioning (1 ECTS)
- Physical education-gymnastics and music exercises (1 ECTS)
- Therapeutic swimming (4 ECTS)
- Sport team games for persons with disabilities (2 ECTS)
- Games and activities for persons with disabilities (1 ECTS)
- Therapeutic recreation (1 ECTS)
- Theory and methodology of movement development (5 ECTS)
Gymnastics and wheelchair dance

Games and plays for persons with disabilities

Athletics (Track and Field)

Goalball

Sitting volleyball

Floor hockey
Benefits

- Practical skills of leading in sport and recreation activities with special populations
- Opportunity to achieve degree of Sport Instructor of Persons with Disabilities
- Experience in the field of sport for persons with disabilities and APA
- Chance for future education as:
  - referee
  - coach
  - classifier
  - manager

APA & Sport for Persons with Disabilities

- Continuation of clinical rehabilitation program.
- Wide program of our patients' treatment.

Research projects:

Chair of Theory and Methodology of Teaching Movement

- 2012 - Game performance blind and partially-blind athletes in goalball. (IPC project – London 2012; coordinator prof. Natalia Morgilec Adamowicz)
- 2010 – Game performance person with disabilities in ice sledge hockey. (IPC project – Vancouver 2010; coordinator prof. Bartosz Molik)
- 2008 - 2010 EUSAPA: "Educational Standards in Adapted Physical Activity" (Main Investigator, Palacky University in Olomouc, Czech Republic; prof. Martin Kudlacek)
- 2004 – 2009 THENAPA II: "Aging and disability" (Main investigator, Katholieke Universiteit Leuven, Belgium; prof. Herman van Coppenolle)
- 2004 – 2006 Joint Actions Project "Sports and Physical Activity for Persons with Disabilities – Awareness, Understanding, Action" (Main Investigator, Katholieke Universiteit Leuven, Belgium; prof. Herman van Coppenolle)

Research projects:

Chair for the Biological Foundations of Rehabilitation

5 grants of National Science Centre (Poland)

Bibliography (2009–2014) - examples:
- "Muscle force distribution during forward and backward locomotion"
- "Lower limb laterality versus foot structure in men and women"
- "Comparison of sensitivity coefficients for joint angle trajectory between normal and pathological gait"
- "Associations between gait patterns, brain lesion factors and functional recovery in stroke patients"
- "Gait classification in post-stroke patients using artificial neural networks"
- "Use of artificial neural networks for assessing parameters of gait symmetry"

Research projects:

Chair of Psycho-social Foundations of Rehabilitation and Bioethics

1 grant of National Science Centre (Poland)

Bibliography (2009–2014) - examples:
- "Parenting stress and coping styles in mothers and fathers of pre-school children with autism and Down syndrome"
- Book "Bioethics"
- Sexual rehabilitation.
Research projects:

Chair of Physiotherapy

Bibliography (2009 – 2014) - examples:
• "The effect of a short-term combined conditioning training for the development of leg strength and power”
• “Biomechanics assessment of long term consequences of talocrural joint sprain in conservatively treated males”
• “Back pain and its consequences among Polish air force pilots flying high performance aircrafts”
• “Postural stability disorders in patients with osteoarthritis of the hip”
• “Rehabilitation protocol for patellar tendinopathy applied amongst 16-19 year old volleyball players”

Thank you

Research projects:

Chair of Rehabilitation

Bibliography (2009 – 2014) - examples:
• "Evaluation of selected therapeutic methods in patients with primary Raynaud’s Syndrome”
• “Disturbance of postural control in children with hemiplegic cerebral palsy”
• “The importance of physiotherapy to children with spinal muscular atrophy (SMA)”
• “Assessment of visual perception in adolescents with a history of central coordination disorder in early life - 15-year follow-up study”
• “Influence of the structural deformity of the spine on the gait pathology in scoliotic patients”
• “Role of breathing exercise in geriatrics and in respiratory system diseases”