

HUMAN STUDY_{e.V.}



KNOWLEDGE FOR A BETTER LIFE

SCHOOL OF REHABILITATION SCIENCES



ISPO ACCREDITED BLENDED DISTANCE LEARNING

ACCESSIBLE WORLDWIDE

PARALLEL TO YOUR JOB!

EDUCATION *in* PROSTHETICS *and* ORTHOTICS

Welcome Letter

Dear reader,

Welcome to the informative brochure of Human Study e.V., where you can learn more about the educational opportunities in prosthetics and orthotics that we have to offer.

Human Study e.V. is a German based non-profit organisation with more than 10 years of experience in delivering prosthetic & orthotic (P&O) education by means of a specific blended learning methodology. Our goal is to create educational opportunities in prosthetics and orthotics in regions and countries where formal and internationally recognized education in this professional area does not exist.

Our blended learning methodology effectively combines the e-learning practices with on-site hands-on clinical workshop seminars, allowing the participants to study and at the same time stay productive in their workshop facilities, treating patients and keeping a regular income.

The educational programs that we offer are internationally recognized Category II and Category I / Bachelor Degree level programs, accredited by the International Society for Prosthetics and Orthotics (ISPO).

The delivery of our comprehensive Cat II level educational programs has been a positive experience and presents a steady progress in the development of customized and innovative blended education since 2007. Owing to the expertise we have thus acquired, we set about to develop an opportunity of offering the blended learning education in P&O on a higher academic level. The aim of this development has been to create generations of teachers and trainers within the profession, to provide more sustainable solutions to the shortage of qualified personnel in the world.

The product of this development is our Blended Learning Cat II to Cat I Upgrade Program in P&O, leading to Bachelor Degree, which we have implemented in collaboration with the Mahidol University in Bangkok, Thailand. This program has seen the first generation of students successfully graduate and acquire the Bachelor degree and the ISPO Category I accreditation in December 2016.

In the light of a successful pilot program, we have expanded the availability of this level of education, resulting in programs where practitioners from Afghanistan, Malawi, Togo, Tunisia and Spain are enrolled and the intake of students for our upcoming program in the East African Region is currently taking place.

Our educational programs on Cat II and Bachelor/Cat I levels are especially aimed at the countries and regions where quality of services provided is poor or neglected and/or not in compliance with the recommendations of the International Society for Prosthetics and Orthotics (ISPO) and the World Health Organization (WHO).

In this brochure, you can find further information about our programs, specific blended learning methodology, conditions and requirements for enrolling into our programs, and other information that will help you learn more about the work of Human Study e.V. If you are interested in becoming a student in one of our programs or if you would like to support our work and help our mission, please write to us and we will be happy to respond.



Sincerely,
Christian Schlierf
Executive Director

A handwritten signature in blue ink, which appears to read 'C. Schlierf'. The signature is stylized with a large, sweeping 'S' and a long, horizontal stroke at the end.

ABOUT US

Human Study e.V. (HS) is a non-profit organization specialized in blended distance learning education in prosthetics and orthotics (P&O). Through its blended learning practice, HS offers an internationally recognized, ISPO accredited, and all inclusive prosthetic and orthotic academic instruction, blended with on-site hands-on symposium workshops.

HS has developed a model of P&O education which provides a systematic, sustainable solution for global educational needs, with the purpose of creating a sufficient number of professionals, practitioners and trainers. HS focuses on an educational solution which systematically combats qualitative and quantitative shortages present globally.

Human Study model of P&O education is currently being implemented in South East Europe, North Africa and the Middle East as the ISPO Cat.II level program and in Afghanistan, North Africa and East Africa as the Bachelor Degree/ ISPO Cat.II to Cat.I Upgrade Program.



*Mahpekey Sidiq
(from Afghanistan BSc.I ISPO Cat.I P&O student):
"My desire is to serve as a P&O professional
who will offer services to people with disability
and especially women as in my country they are
not allowed to go to a male P&O or doctor
due to the local tradition."*

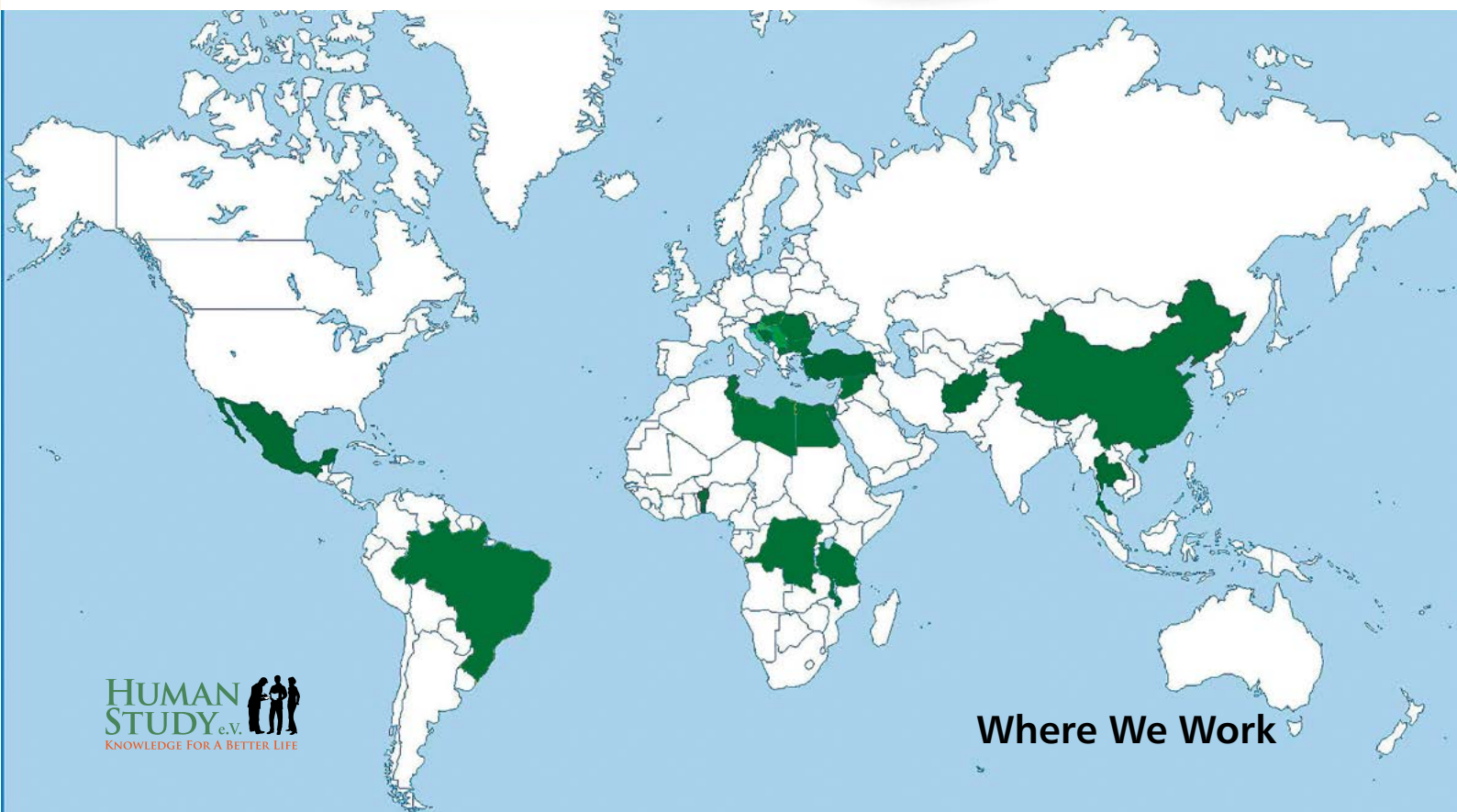
*Having been in similar situations myself as I am a bilateral
above knee amputee, I can understand how my patients
feel and I want to treat them in a way which will make
them feel better."*

The picture shows
Mahpekey casting a patient
during clinical seminar.



*Milos Opacic
(from Croatia BSc.I ISPO Cat.I
P&O graduate)
"When my patient Robert first
came to see me, he could not move
his body through an open door...
Today, he works as a clerk and he has
several hobbies.
I have learnt a lot with Human
Study, not only about P&O,
but also about the beauty of life."*

The picture shows
Milos with his patient
Robert testing the new
orthoses during Human
Study clinical seminar.





Human Study e.V.

Your Partner in Quality

Long standing cooperation and partnership

With the International Society for Prosthetics and Orthotics ISPO

University degree (Bachelor)

In cooperation with ISPO Category I Accredited Universities

HUMAN STUDY e.V. EDUCATIONAL PROGRAMS IN PROSTHETICS AND ORTHOTICS

Two levels of qualification available:

- Orthotist/Prosthetist: Cat. I ISPO/Bachelor Degree
- Associate Orthotist/Prosthetist: Category II ISPO

Our educational programs are implemented in a blended learning format. This means that the theoretical content is delivered online and can be accessed in the comfort of your office or home, while the practical part is organized at the most convenient centralized locations.

Participants in the educational programs can study a complete program in prosthetics and orthotics or single discipline programs.

Our education enables participants to perfectly combine their work and studies. Thanks to the internet based delivery of the program, students can study parallel to their employment.

Our interactive online classroom, equipped with state-of-the-art multimedia tools, enables participants to fulfil their student activities at any time and from any place.



ADVANTAGES OF OUR PROGRAMS:

- Students can study at any time, at the comfort of their office or home
- Students study parallel to their work
- Students remain employed and maintain full productivity for the company
- Students improve their performance at work by continuously applying the learned knowledge



Educate your employees through programs custom tailored to your needs and perfectly combined with your daily work.

Quality Education

Available Programs and Courses

Human Study e.V. offers a unique model of comprehensive education custom tailored for people employed in prosthetic and orthotic workshops and clinics. The program enables the participant to immediately apply the learned knowledge to his/her daily work.

Comprehensive Education in Orthotics and Prosthetics on the ISPO Category II level:

- Gain an ISPO category II certificate
- Learn the latest P&O practices and technologies
- Acquire knowledge and skills in all areas of prosthetics and orthotics
- Become an equal member of a multidisciplinary medical team

Requirements to participate in the program:
Employment at a P&O workshop or clinic.

Internationally recognized certificate upon completion: Students who successfully complete the program will receive an internationally recognized ISPO Category II Certificate.

The ISPO Category II level programs are also available as company exclusive trainings: This level of education can be organized as internal training limited exclusively to the employees of one company.

ISPO Cat.II to Cat.I Upgrade Program Bachelor Degree

- Gain a University degree
- Become a Trainer and Educator for new generations in P&O
- Represent the profession on the highest level
- Manage complex and challenging P&O cases and treatments

Requirements to participate in the program:
Proven knowledge of the English language (minimum TOEFL 500 or equivalent), certificate of education in prosthetics and orthotics on the ISPO Category II level.

University degree on the Bachelor level:
The education is conducted in cooperation with our partner institutions (ISPO Category I Certified).

Modular Program • Single Discipline Courses on the ISPO Cat. II level

The ISPO Category II programs are also available in a modular format. Students and employees have the opportunity to apply for the education in a selected discipline as needed in their professional life. The completion of one module leads to a certification on a single discipline on the ISPO Category II level. It is also possible to combine modules until the completion of the full Cat. II profile.

Short courses

Human Study e.V. offers the opportunity of organizing short seminars and courses on any subject area in prosthetics and orthotics. These courses are taught by renowned experts in the desired subject area.

EDUCATIONAL METHODOLOGY

Human Study e.V. uses contemporary teaching methods and tools based on distance learning (web-based) delivery of the academic content in combination with comprehensive practical education delivered through on-site workshops hands-on patients, complemented with theoretical lectures, seminars, research topics and case studies.



- **Internet platform/virtual classroom** – Human Study e.V. uses the latest version of educational internet platform as the centre of all online educational activities.
- **Practical workshop seminars** – Each semester Human Study e.V. organizes comprehensive on-site prosthetic/orthotic workshop seminars with model patients, taught by renowned experts.
- **Recorded lectures in video format** – All Human Study e.V. lectures are delivered using the latest video-recording distance learning software.
- **Live-streaming tools** – Human Study e.V. uses state-of-the-art tools for live-streaming. These tools are used for lecturing, but also for facilitation of direct communication between teachers and students, as well as among peers to encourage live exchange of experiences, opinions, etc. within the group.
- **Educational video materials** – Students receive comprehensive P&O educational video materials which provide them with the clearly explained and understandable format without need of more sophisticated equipment.
- **Digitalized text books** – Human Study e.V. students are provided with digitalized textbooks in format readable also by portable devices.
- **Audio lectures** – All lectures are also provided in audio format.
- **Discussion forums** – Discussion forums enable students to communicate among themselves, discuss, identify and answer questions in different areas of interest. The HS educational team initiates and moderates topics of discussion related to study material in order to encourage discussion among students.
- **Clinical case studies** – In each semester students prepare presentations of case studies which are presented in front of the class and discussed in live sessions.

Education and full time employment at the same time!

COST EFFECTIVENESS

The Human Study e.V. program has proven to be truly cost effective in comparison to traditional on-site institutional education. Students do not need to leave their jobs in order to pursue their educational advancement. They remain fully productive with increased quality and quantity of work performances throughout the studies. During their studies students do not need to travel and seek accommodation and allowances for long periods of time.

Keeping students at their regular working place allows them to apply their newly acquired knowledge and skills to the actual patients and pathologies during their studies.

TUITION AND EXPENSES

For more information on program costs, please contact us via e-mail at: edu@human-study.org.

Acquire education online and on-site, without leaving your job.



BLENDDED LEARNING ISPO CATEGORY II PROGRAM

The Human Study e.V. Educational Program in Prosthetics and Orthotics on the ISPO Category II Level is an upgrade education aimed at professionals who already have practical experience in prosthetics and orthotics, but have not had access to comprehensive, formal, and certified P&O education.

The program is implemented in official cooperation with the International Society for Prosthetics and Orthotics (ISPO).

The Human Study e.V. Category II P&O Educational Program is an ISPO accredited and recognized blended learning program in prosthetics and orthotics encompassing all areas of prosthetic and orthotic sciences.

The Human Study e.V. educational program qualifies employees of already existing companies/institutions leading to immediate improvement of the quality and quantity of offered services. At the end of the program, companies acquire highly qualified personnel **with an internationally recognized title of Orthopaedic Technologist (ISPO Category II).**



Students who graduate from our Category II educational program acquire:
ISPO CATEGORY II CERTIFICATE (ORTHOPAEDIC TECHNOLOGIST)



Educational Process

This educational program is two and a half years in duration. Each semester is focused on one specific area of practice. The five academic semesters which make up the educational program are:

Semester I - Lower Extremity Prosthetics:

Anatomy I, Pathology I, Biomechanics I, Workshop Technology I, Professional Practice I, Mathematics I and Physics I

Semester II - Lower Extremity Orthotics:

Anatomy II, Pathology II, Biomechanics II, Workshop Technology II, Professional Practice II, Mathematics II and Physics II

Semester III - Upper Extremity Orthotics:

Anatomy III, Pathology III, Biomechanics III, Cost and Calculations, Professional Practice III, Mathematics III and Physics III

Semester IV - Upper Extremity Prosthetics:

Anatomy IV, Pathology IV, Biomechanics IV, Rehabilitation and Disability, Professional Practice IV, Mathematics IV and Physics IV

Semester V - Spinal Orthotics:

Anatomy V, Pathology V, Biomechanics V, Workshop Management, Professional Practice V, Mathematics V and Physics V

The English Language course in all five semesters is mandatory for all non-native speakers.

Furthermore, Human Study provides education and guidelines in the following fields:

- Information Technology
- Professional communication
- Presentation of research papers and case studies
- Communication and work in a clinical team
- Research of contemporary media for the advancement of knowledge

According to the official ISPO protocol for Category II level, upon the completion of each semester students are obliged to take theoretical (written) and practical exams before an independent commission of examiners.

In addition to semester examinations, students must sit for the Final ISPO Category II exam before an independent commission of international examiners at the end of the program.

Upon completion of the Category II program, students can continue their distance learning P&O education with Human Study e.V by upgrading their ISPO Category II to Bachelor level.

REQUIREMENTS

To be admitted to the Category II Educational Program in Prosthetics and Orthotics applicants have to meet the following requirements:

- Have a high school diploma or equivalent academic grade obtained in the origin country or abroad, but must be recognized by the educational authorities in the origin country.
- Be employed at a P&O company (hospital, health care center, etc.) and work directly on the fabrication of prosthetic and/or orthotic devices.

Use the chance to develop and improve your capacities in the provision of high quality P&O rehabilitation services.



BLENDED LEARNING

ISPO Cat.II to Cat.I Upgrade Program

Bachelor Degree



Human Study e.V. Blended Learning Bachelor Program in Prosthetics and Orthotics is an upgrade education aimed at professionals who already have acquired the ISPO Category II level of training and wish to improve their academic knowledge, practical skills and acquire a university degree.

Implementation of this Bachelor program is effected in cooperation between Human Study and our partner organizations.

Interested professionals who have already acquired their Category II education in **any of the recognized programs in the world**

are invited to submit their applications for our upgrading Bachelor Degree Program!

The first generation of graduates of the Cat.II to Cat.I Upgrade program was enrolled at the Mahidol University in Bangkok and had its final ISPO Cat. I examination in December 2016.

Use the opportunity to meet peers from all corners of the world and exchange experiences.



First generation of Human Study BSc./Cat.I graduates

CONTENT AND STRUCTURE OF THE PROGRAM

The Bachelor Degree/Cat.II to Cat.I Upgrade Program is a six semester education which expands on the academic areas not covered by the Cat II level.

To graduate from this program, students must present a research paper and successfully pass the final examination which entails:

- Theoretical examination
- Practical on-site examination before an independent commission of ISPO examiners.

Semester I

English I, Mathematics, IT, Rhetoric, Introduction to Psychology & Sociology

Semester II

English II, Mathematics II, Biology, Anatomy and Human Movement, ACE I (Advanced Clinical Experience – Case Presentations), Wheelchair (Basic and Intermediate)

Semester III

English III, Statistics, Advanced Flaccid and Spastic Orthotic Management, Physiology, Comparative Culture, Clinical Psychology

Semester IV

Research Process, Research Project, Advanced Orthotics, ACE II, Hip, Knee and Partial Foot Prosthetics, Pathology

Semester V

Physics, Physics Laboratory, Spinal Orthotics, ACE III, Advanced Upper and Lower Limb Prosthetics (Myoelectric Prosthetics – Transradial, Transhumeral, Shoulder Disarticulation), Research Paper

Semester VI

Biomechanics, Chemistry, ACE IV, Research Paper

Efficient, timesaving and a cost effective way to gain knowledge and skills in any prosthetic and orthotic subject area.

REQUIREMENTS

To be admitted into the Program, applicants have to meet the following criteria:

- Have an ISPO Category II certificate
- Have a high school diploma or equivalent academic grade (minimum 12 years of education) obtained in the origin country or abroad, but must be recognized by the educational authorities in the origin country.
- Be employed at a P&O company, hospital, health care centre, etc, and work directly on the fabrication of prosthetic and/or orthotic devices.
- Pass the entrance exam if it is requested by the local partner
- Have a minimum of TOEFL 500 proven English skills

Our partners :



Federal Foreign Office



Federal Ministry
for Economic Cooperation
and Development



ICRC





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