



April 2016

Dear Prospective Applicant:

Thank you for your interest in the **Certificate in Advanced Practice in Hand and Upper Quarter Rehabilitation**. Included in this document is detailed information that directly applies to your request for program information.

In the 2016-2017 Academic Year, the program will be offering the online learning format infused with the latest technology for interactive learning. The previous classes have enjoyed the online coursework and feel that it has been an invaluable learning opportunity. Onsite weekend sessions are used primarily to conduct laboratory activities including orthotic intervention, examination skills, and cadaver anatomy. There will be 4 integrated weekend sessions.

The online application process is fast and secure. Applicants can begin an application by visiting [www.drexel.com/handcertificate](http://www.drexel.com/handcertificate) and clicking on the "Apply" tab on the left-hand side. There is also a link from the admissions website. Additional information about the application requirements appears later in this document. For assistance with the application process or general administrative questions, please contact our Admissions Coordinator at [ptadmissions@drexel.edu](mailto:ptadmissions@drexel.edu). For additional questions regarding the course of study please contact Jane Fedorczyk, PT, PhD, CHT, Program Coordinator at [jane.fedorczyk@drexel.edu](mailto:jane.fedorczyk@drexel.edu).

Sincerely,

A handwritten signature in black ink that reads "Jane Fedorczyk". The signature is fluid and cursive, with the first name "Jane" and last name "Fedorczyk" clearly distinguishable.

Jane Fedorczyk, PT, PhD, CHT  
Program Coordinator, Hand Certificate  
Clinical Professor

***Certificate in Advanced Practice in Hand and Upper Quarter Rehabilitation***  
***Physical Therapy and Rehabilitation Sciences***  
***Drexel University, Philadelphia, PA***

***Program Overview***

This program is designed for physical therapists or occupational therapists who wish to participate in advanced study of the hand and upper quarter. The curriculum consists of four graduate level courses, offered in a convenient web-based format with limited onsite weekend sessions to practice psychomotor skills required for advanced practice in hand therapy. Many graduates have indicated that the course work has helped them prepare for the Certification in Hand Therapy (CHT) examination offered by the Hand Therapy Certification Commission (HTCC). The program is a recognized resource by HTCC to help therapists prepare for certification. **For more information on becoming a certified hand therapist, please visit [www.htcc.org](http://www.htcc.org).**

***What kind of Learning Experiences will be used?***

The majority of the curriculum will be delivered via web-based tools that allow for a dynamic interactive learning environment. Infused with the latest technology for distance learning, students will participate in class discussions through discussion boards and real time online classes. Discussion board activities allow for asynchronous participation during a stated time range. There are 8 -10 real time online classes during each course. These online sessions are held in the evenings and the sessions are recorded so that students can review the material on their own if they missed the session. Drexel University resources including the libraries are easy to navigate via a distance format provided that students comply with the recommended technology guidelines. The program is designed for part-time study so students will be able to maintain their current work schedules and other personal obligations.

***Course Descriptions***

**PTRS 767      Foundations in Hand Therapy (4 credits)**

This course introduces the student to the specialized field of hand therapy. The principles of hand therapy included are musculoskeletal tissues and pathology, clinical reasoning, hand examination, splinting principles, physical agents, and therapeutic exercise. Common elbow, wrist, and hand disorders are discussed to integrate the foundation topics into clinical practice. **This course serves as a prerequisite course for PTRS 768, PTRS 769, and PTRS 770.**

**PTRS 768      Upper Quarter Joint Pathology (4 credits)**

This course reviews the common pathologies that effect the articulations and surrounding soft tissues, especially tendons and ligaments. Anatomy, biomechanics, and examination principles for each region: shoulder, elbow, wrist, and hand are discussed. Conservative and post-operative therapeutic management for fractures, dislocations, tendon repairs, ligament injuries, and degenerative disorders are presented.

**PTRS 769      Nerve Injuries of Upper Qtr (4 credits)**

This course emphasizes the anatomy and basic science principles for the cervical spine and major peripheral nerves of the upper quarter. Age-related changes and pathophysiology of nerve lacerations and entrapment neuropathies are discussed. Advanced examination skills and interventions, conservative and post-operative, for pathology of the peripheral nervous system are presented.

## **PTRS 770 Diseases That Affect the Hand (4 credits)**

Course content emphasizes the impact of disease on hand function, especially with activities of daily living, vocational activities, and recreational activities. The overview will include pathology, clinical presentation, examination techniques and clinical interventions specific to the hand. Additionally, multi-system involvement associated with mutilated hand injuries and pain syndromes is discussed.

### **Faculty**

#### **Program Director and Primary Instructor**

##### **Jane Fedorczyk, PhD, PT, CHT, Clinical Professor**

Jane is the primary instructor for the Hand Certificate Program. Jane has been practicing in hand therapy for 30 years.

She received her baccalaureate degree from the University of Delaware in 1984 with a combined degree in biology and athletic training. In 1986, she completed her M.S. degree in Physical Therapy from Beaver College (now Arcadia University) and started her hand therapy career at the Philadelphia Hand Center. She became a certified hand therapist in 1992. She completed her PhD at Temple University in the Department of Physical Therapy in 2007.

Her research interest is in the area of upper extremity tendinopathies and nerve injuries. In 2005, she was awarded the “Best Scientific Paper” at the ASHT Annual Meeting for her paper, “The presence of Substance P in Forelimb Tendons in a model of upper extremity work-related musculoskeletal disorder.” In 2006, she was awarded the Petzoldt Award at the ASHT Annual Meeting for her paper, “The presence of NMDAr1 in Forelimb Tendons in a model of upper extremity work-related musculoskeletal disorder.” She received grants from American Association Hand Surgery (AAHS) and American Society of Hand Therapists (ASHT) for these studies.

Jane has served on committees within the American Physical Therapy Association (APTA), ASHT, and AAHS. She has received awards for outstanding service for her work as Vice President of the Hand Rehabilitation Section within the APTA, and ASHT. She is a manuscript reviewer for the *Journal of Hand Therapy* and the *Journal of Orthopedics and Sports Therapy*, and other rehabilitation journals.

She has published chapters in the 4th and 5th editions of *Rehabilitation of the Hand and Upper Extremity* and is co-editor for the 6th edition. She has also published in the *Journal of Hand Therapy*, *Journal of Orthopedic Research* and textbooks in the areas of pain modulation and tennis elbow.

She frequently presents at national therapy meetings and has been an invited speaker at the International Federation of Societies in Hand Therapy meetings in 1998, 2004, and 2013. She was the keynote speaker for the annual meeting of the Australian Hand Therapy Association in 2002 and New Zealand Hand Therapy Association in 2015. Since 2000, she has served as a co-chairperson for the Philadelphia Hand Meeting sponsored by the Hand Rehabilitation Foundation. She is a member of the Board of Directors of the Hand Rehabilitation Foundation which supports the Philadelphia Hand Meeting and she is a former board member of American Hand Therapy Foundation (AHTF) which supports research and education in hand therapy. Currently, she is a member of the board of director's for the American Society of Hand Therapists (ASHT), and served as President in 2015.

She maintains a part-time clinical practice in hand therapy as a member of the faculty practice within the Department of Physical Therapy and Rehabilitation Sciences.

## **Guest Lecturers and Laboratory Assistants**

### **Lauren DeTullio, MS, OTR/L, CHT**

Lauren received her Master degree in OT from Thomas Jefferson University and is the Assistant Director of Hand Therapy at the Philadelphia Hand Center. She serves as a lab instructor during the onsite weekends, and provides some guest lectures. Lauren participates as a faculty member and volunteer coordinator for the Philadelphia Hand Meeting. She is currently serving as a member of the Practice Analysis Committee for the Hand Therapy Certification Commission. She is also an adjunct professor in the entry-level OT program at Thomas Jefferson University in Philadelphia.

### **David Ebaugh, PT, PhD, Associate Clinical Professor**

Dave received his baccalaureate degree in Physical Therapy from Temple University in 1989 and his PhD in Rehabilitation Sciences in 2004. His research interest is in the identification and treatment of shoulder pain and dysfunction in breast cancer survivors. Dave is a member of the American Physical Therapy Association (APTA) and the American Society of Biomechanics (ASB). He is currently serving on the editorial board for the *Journal of Orthopedics and Sports Therapy*. He is a manuscript reviewer for the *Journal of Orthopedics and Sports Therapy*, *Physiotherapy Theory and Practice*, *Physical Therapy*, and *Journal of Hand Therapy*. Dave has presented scientific papers within his area of research at national APTA and ASB meetings and has published his research in *Clinical Biomechanics*, the *Journal of Electromyography and Kinesiology*, and the *Journal of Orthopedics and Sports Therapy*. Dave provides instruction in the anatomy modules in the nerve and joint pathology courses.

### **Sheri Feldscher, OTR/L, CHT**

Sheri received her occupational therapy degree from Temple University. She is currently working at the Philadelphia Hand Center. Sheri serves as a lab instructor during the onsite weekends and provides some guest lectures in each of the courses. She recently served as editor of the orthotic fabrication manual used in the Advanced Practice in Hand and Upper Quarter program at Drexel University. Sheri has been a faculty member of the Philadelphia Hand Meeting for over 20 years and teaches in the Evelyn J. Mackin Therapy Fellowship program at the Philadelphia Hand Center.

### **Brian G. Leggin, PT, DPT, OCS**

Brian has been a physical therapist for over 20 years since his graduation from Ithaca College in 1991. He has a M.S. in Biomedical Science from Drexel University and his DPT from Temple University. Brian is a clinical specialist on the shoulder and elbow service at Penn Presbyterian Medical Center, Penn Therapy and Fitness. He is board certified as an orthopedic clinical specialist by the American Board of Physical Therapy Specialties. He is a course chairman for the annual Shoulder and Elbow conference held in Philadelphia and he is a frequent faculty member at the Philadelphia Hand Meeting. Brian is an active member of the American Society of Shoulder and Elbow Therapists where has served as Past-President, President, and President-elect. He has numerous publications related to shoulder rehabilitation in journals such as *Journal of Orthopedic and Sports Physical Therapy*, *Journal of Bone and Joint Surgery*, *Orthopaedic Clinics of North America*, *Journal of Shoulder and Elbow Surgery*, and *Journal of Hand Therapy*. He also has numerous book chapters and presentations at national therapy meetings to his credit.

**Kristin (Kris) Valdes, OTD, CT, CHT**

Kristin Valdes, OTD, OT, CHT, has been a hand therapist for more than 30 years and is the owner and director of Hand Works Therapy in Sarasota, Florida. She has been in private practice for over twenty years. She received her OT degree from Florida International University in 1980 and her Doctorate in Occupational Therapy (OTD) degree with a specialization in hand rehabilitation from Rocky Mountain University of Health Care Professions in 2007. Kristin is an accomplished author publishing in the *Journal of Hand Therapy*, *Hand*, *Journal of Manipulative and Physiological Therapeutics*, as well as textbooks on upper extremity rehabilitation. She is a manuscript reviewer for the *Journal of Hand Therapy* and other rehabilitation journals. She serves on the editorial board of the *Journal of Hand Therapy*, the board of directors for the American Association of Hand Surgery (AAHS), and the American Society of Hand Therapists (ASHT) as the Research Division Director. She provides instruction in online learning activities in all of the hand therapy courses at Drexel University as an adjunct professor. Almost one year ago, she accepted a full time position as Assistant Professor, OTD Program, Gannon University – Ruskin, Florida.

Kristin frequently presents at the annual meetings of ASHT, and AAHS, and is an invited faculty member at the Philadelphia Hand Meeting. She regularly presents regional continuing education courses in hand therapy topics and Medicare documentation. Kris has also been a member of the medical mission team for the *Guatemala Healing Hands Foundation* providing hand therapy services and education.

Kristin has received numerous awards for her professional service and scholarly activities including the First Time Author Award from the *Journal of Hand Therapy* in 2009, Best Paper Award in 2009 for her paper, Are Hand Therapists Practicing Evidence-based Medicine?, at the ASSH-ASHT Combined Meeting, and Outstanding Committee Member in 2009 and 2011 for her work with the Research Division of ASHT. She is currently serving on the ASHT Board of Directors as Vice President and will serve as President in 2017-2018.

**Mark Walsh, PT, DPT, MS, CHT, ATC**

Mark is currently working part-time in a hand therapy practice at the Jersey Shore. He is a graduate of the University of Iowa in Physical Therapy program in 1978, recipient of a Master in Orthopedic Physical Therapy from Temple University in 1983, and a Doctorate of Physical Therapy from Drexel University in 2005. Mark is internationally recognized as an accomplished author and lecturer on upper extremity topics including complex regional pain syndrome, peripheral nerve injuries, and nerve mobilization. He is a member of the editorial board of the *Journal of Hand Therapy* and is on the Board of Directors for the Hand Rehabilitation Foundation. Mark has published in the *Journal of Hand Therapy* and *Rehabilitation of the Hand and Upper Extremity* (edition 4,5 and 6). Mark has been a faculty member at the Philadelphia Hand Meeting for over 25 years and was recognized as an honored professor in 2004. Mark provides instruction primarily in the nerve course, but assists with learning activities in all courses.

**Teresa Zapotochny, PT, CHT**

Teresa is a graduate of the first class (2001) of the Certificate in Advance Practice in Hand and Upper Quarter Rehabilitation. She received her physical therapy degree from Temple University. She is currently working at the Philadelphia Hand Center. She participates as a faculty member at the Philadelphia Hand Meeting. Teresa serves as a laboratory instructor during the onsite weekends.

## **Course Schedule for the 2016–2017 Academic Year**

### **Fall Quarter: 9/19/16 – 12/3/16**

**On-site Hand Orientation-** Friday 9/23/16 and Saturday 9/24/16

**PTRS 767 Foundations in Hand Therapy** (4 credits)

Weekend Session for PTRS 767

Friday 11/4/16 and Saturday 11/5/16

### **Winter Quarter: 1/9/17 – 3/18/17**

**PTRS 769 Nerve Injuries of Upper Qtr** (4 credits)

Weekend Session for PTRS 769

Friday 3/3/17 through Sunday 3/5/17

### **Spring Quarter: 4/3/17 – 6/10/17**

**PTRS 768 Upper Quarter Joint Pathology** (4 credits)

Weekend Session for PTRS768

Friday 5/19/17 through Sunday 5/21/17

**Note: This may be a busy weekend because many universities in the area will be holding graduation. Please be sure to book your hotel rooms early.**

### **Summer Quarter: 6/26/17 – 9/2/17**

**PTRS 770 Diseases That Affect the Hand** (4 credits)

*No weekend session*

### **Weekend Sessions Schedules**

Friday classes will be from 1:00 – 7:30pm

Saturday classes will be from 8:30am – 5:30pm

Sunday classes will be from 8:30am – 3:00pm

## **General Information**

### **Graduate Course Credit May Be Applied to other Degree Programs**

After successfully completing the four courses, students will receive a post-professional certificate of completion. Previous students have transferred credits from the certificate program to degree programs at other universities; usually as elective credits. The credits may be applied to the Drexel Doctor of Health Science (DHSc) program with a concentration in Hand and Upper Quarter Rehabilitation for occupational and physical therapists. The program director will discuss degree opportunities during orientation.

### **Tuition**

Tuition rates and fees for the 2015-2016 was \$803/credit. If you are a member of APTA, AOTA or ASHT you are eligible for a partner discount of 25%. You can only apply one 25% discount and not combine more than one. The tuition for 2016-2017 is likely to increase but not more than 4%.

### **Additional Fees**

\$200.00 (Fall term) First Time Admit Fee for orthotic fabrication manual and supplies  
Tuition is charged based upon the number of credits you enroll for each quarter. Your standard registration for each quarter will be only one class, and each class is 4 credits.  
Please contact Drexel Central for any questions regarding billing at 215.895.1600 or electronically at [ask.drexel.edu](mailto:ask.drexel.edu). You can also review university billing policies at the Drexel Central website: [drexel.edu/drexelcentral](http://drexel.edu/drexelcentral).

### **Textbooks** (for ALL 4 courses)

#### **Required:**

Skirven, Osterman, Fedorczyk, Amadio: Rehabilitation of the Hand and Upper Extremity, ed. 6, Elsevier, Philadelphia, 2011. ISBN = 978-0-323-05602-1.

This text will be used for all four courses in the hand program. You can purchase this two-volume set from Elsevier at [www.elsevier.com](http://www.elsevier.com), or Amazon, or other book seller websites. The Drexel University bookstore has been asked to carry this text, but they have been told that most students will purchase it online. Our bookstore is operated by Barnes & Noble and will likely charge more than that if you purchased directly online at [www.bn.com](http://www.bn.com). To get the best price for the required text we recommend that you shop online.

***\*\*You will not find previous editions of this textbook helpful to you during the program. The 7<sup>th</sup> edition will not be available until late 2018\*\****

#### **Recommended:**

Marylynn Jacobs and Noelle Austin, Orthotic Intervention for the Hand and Upper Extremity, Lippincott Williams &Wilkins, Philadelphia, 2013.  
ISBN = 9781451145304

As you might agree, there is no perfect text on hand splinting, but the faculty like the organization of this text and thought it complemented the curriculum and the other required text. This book will be used in all 4 courses. You may purchase this book directly through LWW at [www.lww.com](http://www.lww.com). Also check Amazon and other websites for the best price. If you already have a general splinting textbook in your library, it is probably good enough to help you through the program.

**Magee D: Orthopedic Physical Assessment. 6<sup>th</sup> edition, Saunders Elsevier, 2014.**  
**ISBN =978-1-4557-0977-9.** You could order this book from any book site including [www.elsevier.com](http://www.elsevier.com).

### **Financial Aid and Student Loans**

All students enrolled in the *Certificate in Advanced Practice in Hand and Upper Quarter Rehabilitation* are considered part-time students in a non-degree program and are therefore ineligible for financial aid or traditional student loans. Students that attend the program are often eligible for full or partial tuition reimbursement from their employers. Drexel Central provides an employer assisted tuition plan to eligible students. For more information on this program please visit <http://www.drexel.edu/drexelcentral/billing/payments/employer-reimbursement-plan/>

### **Hotel and Travel for Weekend Sessions**

Detailed hotel information will be provided in the registration packet. With discounts, students have been able to find a hotel room for about \$120.00. Although we are able to get some information on discounts, the student usually does better negotiating lower room rates since the program is not in a position to guarantee a block of rooms. For more information and to make reservations, visit <http://www.drexel.edu/procurement/travel/hotels/>. Weekend classes are held at the Center City Campus location (1505 Race Street, Philadelphia, PA, 19102).

Students will be able to travel to Philadelphia via plane, train, or automobile. The Amtrak train station and airport are a short cab ride away and public transportation is also available via train, subway, or bus. Directions for traveling by car and other modes of transportation will be provided prior to the start of the program.

### **Application Requirements**

It is recommended that prospective students have at least two years of experience as an occupational therapist or physical therapist. No previous experience in hand therapy is required. The following items must be submitted along with the completed Drexel University application:

- 2 letters of recommendation (see below)
  - Official transcripts from **all** colleges/universities attended
  - One-page essay expressing why you want to enroll in the program
  - Copy of OT or PT license or other practice credential (US, Canada or other countries) showing expiration date
    - Wisconsin – Drexel University is currently unable to admit students living in Wisconsin to any online program.
  - Resume
  - GREs are not required for the Certificate in Advanced Practice in Hand and Upper Quarter Rehabilitation.
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- **For letters of recommendation:** You are not required to use a specific form. A free form letter that outlines your personal qualities as a clinician and insight into your academic abilities would be the most helpful. You may submit letters from co-workers including OTs, PTs, CHTs, surgeons, or other healthcare professionals. Letters of recommendation from supervisors or academic faculty are encouraged. Recommenders may complete the online recommendation process associated with the online application form (<http://deptapp.drexel.edu/em/LOR/>) or they may submit letters of recommendation on letterhead of place of affiliation to the address below.



Please note: If a recommender prefers to submit an original, hard copy letter, please remind them that it must include an ink signature and be submitted in a sealed envelope.

**Note: Applicants that attended school outside the United States and all international applicants have additional application requirements indicated below. This information is also available on the Admissions website.**

**All supporting materials should be submitted to:**

***Domestic Mail***

Drexel University Online  
PO Box 34729  
Philadelphia, PA 19101

***International Mail***

Drexel University  
Application Processing  
3141 Chestnut Street  
Philadelphia, PA 19104-2876

To view the supporting document submission guidelines, please visit:

<http://www.drexel.com/supportingdocuments>

**Application Deadline:** Rolling admissions process continues until class is filled. Space is limited to approximately 30 students. Applicants must begin enrollment in the Fall Quarter since PTRS 767 Foundations in Hand Therapy is a prerequisite course for the other three courses. It is recommended that applicants initiate the application process in April.

**All applications must be completed by July 1<sup>st</sup>.**

Please review the Admission Application Checklist to see what applies to your situation using the link below.

<http://www.drexel.edu/em/apply/cnhp/checklist.html>

**Requirements for Applicants that Attended School Outside the US and All International Applicants:** <http://www.drexel.com/online-degrees/nursing-degrees/cert-hand/international.aspx>

**Transcripts for students that attended school outside the United States:**

**Applicants** must have their transcripts evaluated by an approved agency. Official copies must be submitted. Photocopies will not be accepted. Therefore, if you have had this done to get your US license, you will need to repeat the process if the transcript evaluation company no longer has your official records (usually more than 3 years). One of these companies must be used and WES is preferred.

World Education Services, Inc. (WES)

Bowling Green Station, P.O. Box 5087  
New York, NY 10274-5087  
212-966-6311

International Consultants of Delaware, Inc.

PO Box 8629  
Philadelphia, PA 19101-8629  
215-222-8454, ext. 603

Educational Credential Evaluators  
PO Box 51470  
Milwaukee, WI, 53203-3470  
414-289-3400

**TOEFL OR IELTS Scores:** Applicants who have not received a degree in the United States are required to take the Test of English as a Foreign Language (TOEFL). An official score report must be sent directly from the Educational Testing Service (ETS); photocopies will not be accepted. If the applicant attended school in a country where English is considered the primary language such as the UK, Australia, and Canada TOEFL scores may be waived. Waiver of this requirement will be handled on a case by case basis. **International English Language Testing System (IELTS) scores may be used in place of TOEFL scores.**

### **Applicants without a US Therapy License**

International applicants will only be considered if they have qualified credentials as specified by the Hand Therapy Certification Commission for the international CHT credential.

Please visit the website for Certificate in Advanced Practice in Hand and Upper Quarter Rehabilitation at [www.drexel.com/handcertificate](http://www.drexel.com/handcertificate)

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