

# ELON DPT

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## PHYSICAL THERAPY

ACADEMIC CATALOG **2015**





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*Leo M. Lambert*

**Elon University** offers outstanding graduate programs that combine the best of the liberal arts and sciences with nationally recognized engaged learning opportunities that provide excellent preparation for a career. Elon is one of only seven private universities in the nation with accredited schools of law, business, communications and education along with a chapter of Phi Beta Kappa, which recognizes excellence in the arts and sciences.

The Martha and Spencer Love School of Business, which offers the MBA, is accredited by the Association to Advance Collegiate Schools of Business (AACSB International), the highest standard of achievement for business schools worldwide. Less than 5 percent of the world's business schools have earned this marker of excellence. Bloomberg Businessweek has named Elon's MBA the #1 part-time program in the South and #5 in the nation. In addition, Bloomberg Businessweek ranks the Love School one of the nation's top-50 business schools.

The M.Ed. is offered through Elon's School of Education, which is accredited by the National Council for Accreditation of Teacher Education (NCATE). Elon offers the Master of Arts in Interactive Media through the School of Communications. The Interactive Media program and school are both accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC). Elon's Interactive Media, M.Ed. and MBA programs feature a study abroad component that offers students valuable professional experience. The Elon University School of Law is accredited by the American Bar Association and combines outstanding legal education with a distinctive focus on engaged learning and leadership training.

Elon's newest school is the School of Health Sciences, which offers the Doctor of Physical Therapy program and a Master of Science in Physician Assistant Studies. DPT has earned accreditation by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association (APTA). Elon enrolled its first class of PA students in January 2013. The DPT and PA programs immerse students in rigorous science and research experiences and feature excellent clinical practicums to reinforce classroom learning. Having the DPT and PA programs together in the School of Health Sciences provides powerful synergies for students, faculty and staff, further enhancing the student experience.

Each of our graduate programs is stamped with Elon's distinctive approach to learning. Small classes, creative, dedicated faculty scholars and opportunities to gain practical experience through our exceptional engaged learning programs make the Elon graduate experience personal, challenging and exciting. I welcome your interest in graduate education at Elon and hope you will give serious consideration to joining our community of scholars.

Sincerely,  
Leo M. Lambert  
President, Elon University

## Graduate Education at Elon

Located in the beautiful Piedmont section of North Carolina, Elon University has earned a regional and national reputation for excellence both in undergraduate and graduate programs. Academic innovation is the hallmark of an Elon education, and the Master of Business Administration (MBA), Master of Education (M.Ed.), Master of Arts in Interactive Media (M.A.), Doctor of Physical Therapy (DPT), Juris Doctor (J.D.) and Master of Science in Physician Assistant Studies (M.S.P.A.S.) programs exemplify Elon's commitment to combining a stimulating classroom environment with opportunities to apply knowledge in a practical setting.

### MBA

The Elon MBA offers a rigorous curriculum featuring a core foundation of general management skills, career-focused specializations and a flexible schedule designed for working professionals. Ranked the # 5 part-time MBA program in the nation and the # 1 part-time MBA program in the South by *Bloomberg Businessweek* magazine, the Elon MBA features a careful blend of conceptual knowledge, critical thinking skills and practical exercises that enable you to develop the skills you need to apply business knowledge in many different situations, communicate effectively, understand multiple perspectives of a problem and use ethical reasoning to determine how a proposed solution may affect your company and the wider community. Designed to be completed in 21 to 33 months, the Elon MBA also includes two regularly scheduled MBA international study trips per year.

### M.Ed.

The M.Ed. program offers graduate licensure in elementary education (K-6), gifted education (K-12) and special education (K-12). In the M.Ed. program, students hone skills for implementing appropriate instruction and differentiating curriculum for special needs students while deepening their understanding of the different content areas. Though skill development is an important aspect of the program, empowering teachers to make professionally mature decisions and developing collaborative leadership and research expertise are also emphasized. The M.Ed. Summer Cohort program provides licensed teachers the opportunity to complete the degree in just three summers. The program also includes a study abroad trip to Costa Rica.

### M.A. in Interactive Media

In the rapidly converging world of media, the Elon Master of Arts in Interactive Media prepares students to think strategically across media platforms; to plan and create interactive media content consisting of text, images, sounds, video, and graphics; manage information for interactive news, entertainment, and strategic communications; and to work in any profession that employs interactive media skills. The intensive 10-month, 37-hour program includes hands-on production and theoretical courses along with a Winter Term, team-project course where students create an interactive product that involves international travel.



The M.A. in Interactive Media allows students to design, produce and create projects that are rapidly becoming the principal components of 21st century digital media.

### **DPT**

Graduate students enrolled in the three-year, full-time Doctor of Physical Therapy program have unique opportunities to practice specific learning objectives in a variety of clinical settings. The partnership between Cone Health-Alamance Regional Medical Center and Elon's Department of Physical Therapy offers students a wealth of clinical and research opportunities. The philosophy of the DPT program emphasizes critical thinking, active learning, strong clinical experiences and inquiry-based approaches to treatment and research. The program produces graduates who are highly skilled clinician generalists and compassionate individuals, well-prepared for leadership as key members of a health care team.



### **PA**

Elon's PA program prepares graduates to think critically and act skillfully to meet expanding health care needs in local and global communities. Students will immerse themselves in a curriculum structured around active learning strategies through collaborative work with Elon's faculty, scholars and practitioners in the field. Students will graduate from the 27-month, full-time program, prepared to employ the most current knowledge to care for patients' physical, emotional, mental and spiritual needs. The Elon PA program, along with the Elon Doctor of Physical Therapy program, is housed within the School of Health Sciences.

### **J.D.**

The Elon University School of Law opened in downtown Greensboro, North Carolina, in fall 2006 with a charter class of 100 students. The school builds on Elon University's national reputation for excellence in engaged learning and leadership education. It provides experiential opportunities for law students in a learning laboratory environment, with direct access to the region's major courts, law firms and government and nonprofit agencies. Elon law students acquire extensive knowledge of the law. They develop broad lawyering skills and learn how to listen, communicate and interact effectively and resolve conflict in the broad range of complex situations lawyers confront. They are empowered to improve our system of justice and make the world a better place.

The School of Law produces a separate academic catalog, which can be accessed online at [www.law.elon.edu](http://www.law.elon.edu).

### **Visiting and contacting campus**

Visitors to the university are welcome at all times. Administrative offices are open Monday through Friday from 8 a.m. until 5 p.m. The Office of Graduate Admissions is located on the Elon campus in the Powell Building and will move to the Inman Admissions Welcome Center in January 2015. Graduate Admissions can be reached at 336-278-7600 or 800-334-8448, ext. 3 (Fax: 336-278-7699). You may also wish to contact us by email at [gradadm@](mailto:gradadm@)

elon.edu. For information about visiting the School of Law, contact the admissions office at 336-279-9200 or [law@elon.edu](mailto:law@elon.edu).

*The University does not discriminate on the basis of age, race, color, creed, sex, national or ethnic origin, disability, sexual orientation, gender identity or veteran's status or any other characteristic protected by law in the recruitment and admission of students, the recruitment and employment of faculty and staff or the operation of any of its programs. Students with documented disabilities may request in writing reasonable special services and accommodations. Questions should be directed to Ms. Susan Wise, disability services coordinator, Duke Hall, room 1081, (336) 278-6500. The university's Section 504 coordinator for students and Title IX coordinator is Dr. Jana Lynn Patterson, Student Health and Wellness Suite 104, (336) 278-7200. The university's Section 504 coordinator for applicants and current employees is Mr. Ronald Klepcyk, 314 W. Haggard Ave., (336) 278-5560.*

*In accordance with the Student Right-to-Know and Campus Security Act, complete information regarding campus security policies and programs and campus crime statistics is available upon request from the Office of University Communications, 2030 Campus Box. Information regarding completion and graduation rates may be obtained from the Office of Admissions or at [www.elon.edu/irweb](http://www.elon.edu/irweb). For support or to report an incident of bias, discrimination and/or harassment visit [www.elon.edu/biasresponse](http://www.elon.edu/biasresponse).*





# Introduction

## ***The mission of Elon University graduate programs***

Through its graduate programs, Elon University gives students the opportunity to acquire a high level of competence in their fields of interest and to gain significant experience in the application of advanced knowledge and skills. Graduate programs offered at Elon foster a stimulating intellectual community based upon close interaction with faculty, academic engagement with peers in and out of the classroom and a university environment fully committed to supporting inquiry and research. Graduates from Elon's advanced degree programs are prepared to assume positions as active professionals committed to continued learning and the advancement of their professions.

Elon University offers graduate programs that are:

- Connected to the university's undergraduate programs, building on existing strengths and contributing to the enhancement of the quality of the undergraduate experience.
- Committed to the broad perspective of arts and sciences.
- Distinctive, excellent in overall quality and responsive to the needs of society.
- Committed to the intellectual growth and development of each student.
- Supportive of both faculty and student scholarly activity and its dissemination to the appropriate community of scholars and practitioners.

## ***Elon University Honor Code***

All students at Elon University pledge to abide by the Honor Code, which recognizes honesty, integrity, respect and responsibility as critical elements in upholding the values of the academic community. The current Student Handbook, [www.elon.edu/students/handbook](http://www.elon.edu/students/handbook), presents sanctions and hearing procedures in detail.

## ***History***

Elon University is a private, coeducational and comprehensive university. Founded in 1889 by the Christian Church (now United Church of Christ), it is the third largest of North Carolina's 36 private colleges and universities.

During the 1980s, Elon experienced a decade of unprecedented growth. During this time, applications doubled and enrollment increased 35 percent, making Elon one of the fastest-growing institutions in the region. Dozens of academic and student life programs were added to enrich the quality of an Elon education. Special classes and volunteer programs were developed to provide students with leadership and service opportunities. In fall 1984, the university began offering a Master of Business Administration degree through the Martha and Spencer Love School of Business. In fall 1986, a Master of Education degree was added, and in 1997, a Master of Physical Therapy degree program was established. In 2003,



the Doctor of Physical Therapy replaced the MPT. The Elon University School of Law opened in fall 2006. The Master of Arts in Interactive Media program was established in fall 2009. The Master of Science in Physician Assistant Studies program began in January 2013.

Also during the '80s and '90s, the university's physical plant grew. Total campus acreage doubled, square footage of buildings increased and significant new facilities were added, including **Carol Grotnes Belk Library**, featuring 75,000 square feet with more than 250 computers, networked study rooms and multimedia and audiovisual stations; **Dalton L. McMichael Sr. Science Center**, providing 81,000 square feet of research laboratories, high-tech instrumentation and computer technology; **Moseley Campus Center**, a 74,000-square-foot student center; and **Koury Center**, a physical education, athletics and recreation complex. In the early part of the new century, Elon opened **Rhodes Stadium**, **Belk Track**, **White Field** and five pavilions in the **Academic Village**.

In the summer of 2006, Elon opened the three-story, 60,000-square-foot **Ernest A. Koury, Sr. Business Center**, home of Elon's Martha and Spencer Love School of Business. The Center includes the **LaRose Digital Theatre**; the **LabCorp Suite for Executive Education**; the **William Garrard Reed Finance Center** with real-time data from global financial markets; the **Doherty Center for Entrepreneurial Leadership**; the **Chandler Family Professional Sales Center** and the **James B. and Anne Ellington Powell Lobby**.

In the summer of 2009, Elon renovated the second floor of Powell Building to become the home of the Master of Arts in Interactive Media program. **The Powell Interactive Media Suite** houses a state-of-the-art computer laboratory/production facility and classroom. It includes five editing suites, a graduate study center and a lounge. The suite also houses DSLR cameras, which shoot still photos and high definition video. Additionally, high definition, tapeless video cameras, audio recorders, lighting kits, booms and other equipment to produce interactive media are available for checkout from the School of Communications. Offices for interactive media faculty are also located in the Powell Interactive Media Suite.

In April 2011, the Elon University Board of Trustees established the School of Health Sciences. The school is housed in the **Gerald L. Francis Center**, a renovated space that opened in December 2011 and includes classrooms, lab facilities and meeting and office space.

### Location

Elon's historic campus is ideally situated on 600 acres in central North Carolina, adjacent to Burlington, a city of 50,000. Elon's brick sidewalks, Georgian architecture and state-of-the-art facilities are surrounded by majestic oak trees and lovely gardens. The university is a 40-minute drive from UNC-Chapel Hill and Duke University, and 30 minutes from Greensboro, a city that regularly offers major concerts and sporting events. A dozen other colleges and universities are less than an hour away.

Downtown Greensboro is also the location of the Elon School of Law, an 84,000-square-foot facility including a new multimillion-dollar library collection, wireless technology, courtroom and specialized labs and classrooms, adjacent to federal and state courts, government offices and major law firms.





Airline services are conveniently located at the Piedmont Triad International Airport in Greensboro and at the Raleigh-Durham International Airport. Amtrak serves Greensboro and Raleigh with daily connections to Burlington.

### *Degrees and majors*

Elon University offers more than 60 major fields of study leading to the bachelor of arts, bachelor of fine arts or bachelor of science degree. The university also offers a dual-degree engineering program in cooperation with Columbia University, Georgia Tech, North Carolina A&T State University, North Carolina State University, Penn State University, University of Notre Dame, University of South Carolina, Virginia Tech and Washington University in St. Louis.

Elon's graduate programs include a Master of Business Administration (MBA) at the Martha and Spencer Love School of Business; a Master of Education (M.Ed.) with specialty areas in elementary, gifted and special education; a Master of Arts in Interactive Media (M.A.) through the School of Communications; a Doctor of Physical Therapy (DPT) and a Master of Science in Physician Assistant Studies (M.S.P.A.S.) through the School of Health Sciences; and a Juris Doctor (J.D.) degree through the School of Law.

### *Enrollment*

With approximately 706 graduate and 5,599 undergraduate students, Elon is smaller than most universities. Students come from 48 states, the District of Columbia and 47 other nations, with approximately 78 percent of enrollment coming from outside North Carolina. At Elon you won't be lost in a crowd, but you will meet and interact with many new people.

### *Accreditation*

Elon University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees, the doctor of physical therapy degree and juris doctor degree. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4501 for questions about the accreditation of Elon University, to file a third-party comment at the time of Elon University's decennial review, or to file a complaint against Elon University for alleged non-compliance with a standard or requirement. For normal inquiries about Elon University such as admissions requirements, financial aid and educational programs, etc., contact Elon University at 336-278-2000.

**The Master of Business Administration program** is accredited by AACSB International – The Association to Advance Collegiate Schools of Business.

**The Master of Education program** is accredited by the National Council for Accreditation of Teacher Education and by the North Carolina State Department of Public Instruction.

**The Master of Arts in Interactive Media program** is a part of the School of Communications. The school and program are accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC).



The **Doctor of Physical Therapy program** at Elon University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org); website: <http://www.capteonline.org>.

The **Juris Doctor program** is accredited by the American Bar Association (ABA).

The ARC-PA has granted Accreditation-Provisional status to the **Master of Science Physician Assistant Studies Program** sponsored by Elon University. Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program's ability to meet the ARC-PA Standards or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first class (cohort) of students. Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

### ***Library/technology center***

The state-of-the-art Belk Library features the latest in information technology and is located at the center of campus, convenient to all graduate classrooms. It is uniquely designed to integrate print, electronic and audiovisual resources, with an extensive program of research, tutoring and technical support available during all hours of operation to assist students and faculty. More than 250 Macintosh and Windows desktop computers and wireless laptop computers offer access to the online catalog and the Internet. Students can choose among a wide variety of individual and group study spaces while using the more than 280,000 volumes, government documents and media resources. More than 27,000 online journals are available, as well as an extensive video and audio collection.

Belk Library also houses the Tutoring and Writing Center and the Faculty Resource Center. Please visit [www.elon.edu/library](http://www.elon.edu/library) for more information.

### ***Writing assistance and computer services***

Elon has a well-established writing center located in Belk Library. Graduate students seeking assistance with writing may utilize the services of the center, including one-on-one tutoring, without charge. Graduate students may use computer labs with Internet access, and they can access their free email accounts. Staff members are available to provide assistance. There are approximately 940 computer work stations on campus in 50 computer labs.

### ***Career services and professional placement assistance***

The Student Professional Development Center, located in Moseley Center, assists graduate students individually as they identify their career direction and finalize their career search. The Career Center has incorporated modern technology to provide effective student/ employer matches and to assist students in accessing current employer literature. Programs for graduate students include resume referral to employers, individual job search assistance,



job vacancy lists and workshops on resume writing and job interviewing. For details, please visit [www.elon.edu/careers](http://www.elon.edu/careers).

### ***Parking***

Student parking at Elon is convenient and easily accessible. For full-time students enrolled in the DPT and M.S.P.A.S. programs the annual fee for parking is \$160 for the first year. DPT students pay \$80 annually for parking in year two and three. No parking fees apply for graduate students enrolled in the second and third year of the M.S.P.A.S. program. The annual fee for students in the Interactive Media, MBA and M.Ed. programs is \$30.

### ***The graduate admissions process***

Elon's admissions policy encourages the selection of students who have demonstrated both academic ability and talent in their field. Each application is considered in light of all completed academic work, test scores, evidence of leadership and motivation, work history, credentials and letters of recommendation.

Applicants should consult the section in this catalog dealing with their desired degree for specific admissions requirements. This information, as well as an application, can also be obtained from the **Elon Graduate Admissions website** at [www.elon.edu/graduate](http://www.elon.edu/graduate). Please note that undergraduates are not permitted to register for graduate courses.

### ***Basic requirements***

- Evidence of an earned bachelor's degree from an accredited college or university
- Strong undergraduate record
- Official transcripts of all undergraduate and any graduate studies completed or taken
- Three letters of recommendation
- TOEFL scores for international students, unless English is the student's native language or the language of instruction



### ***Application procedures, testing, transfer credits and graduate program costs***

Since all of Elon's graduate programs differ in application procedures, testing, transfer credits and program costs, graduate students should consult the section in this catalog dealing with their desired degree for program-specific information.

### ***Forms of financial assistance for graduate students***

Elon is committed to assisting eligible students in securing the necessary funds for their graduate school program. To the extent possible, eligible students receive assistance through careful planning and through accessing various forms of financial assistance.

In order to receive any type of university, state or federal funding, students must demonstrate satisfactory academic progress toward the completion of graduate degree requirements. No financial assistance is offered until an applicant has been accepted for admission to a graduate program.



### Elon University payment program

Elon offers a payment plan to all graduate students. The plan requires an initial payment of one-third of the total cost of the program with the remainder divided into two equal payments. In addition, for the M.Ed. program, there are alternative payment plans. For further information on payment plans, contact the Bursar's office. Students must submit a new application for each semester.

We are making a policy adjustment that will affect students that pay tuition and fees with credit cards. While we understand the reasons people choose this payment method, the university has borne the cost of paying transaction fees to the credit card companies, amounting to approximately \$1.1 million annually. We believe that money would be much better spent supporting our educational mission.

As a result, families that pay tuition statement bills with MasterCard, Discover, American Express and VISA cards will be assessed a 2.75% convenience fee. Students that wish to avoid the fees are encouraged to use online checks/ACH or personal checks, wire transfers or other payment options. There will be no extra fees for other Elon transactions, such as online tickets or Phoenix Cash deposits. In addition, the university accepts American Express, VISA, MasterCard and Discover cards for payment of books.

If you have questions about the new payment options, contact the Bursar's Office.

### Federal Stafford Loan (unsubsidized)

Graduate students may borrow up to \$20,500 annually. Repayment of principal begins six months after graduation or when you are no longer enrolled at least half-time. The fixed interest rate is set by the Department of Education and will be established each award year. A small processing fee will be withheld by the Department of Education from your requested loan amount. Federal regulations require the loan proceeds to be disbursed in two equal amounts. These proceeds are applied directly to your tuition account. Unsubsidized Stafford Loans are available through the Direct Loan program, which is administered by the federal government. All loans will be processed with the Department of Education as your lender. First-time borrowers will be required to complete a Master Promissory Note with the Department of Education and are also required to complete student loan entrance counseling at [www.studentloans.gov](http://www.studentloans.gov). Information about the Federal Stafford Loan (unsubsidized) may be obtained from the Office of Financial Planning website at [elon.edu/finaidborrow](http://elon.edu/finaidborrow).

### The Federal Graduate PLUS Loan Program

This is a loan made to graduate and professional students based on credit worthiness. You may borrow up to the cost of education less any other financial aid awarded. Federal regulations require the loan proceeds to be disbursed in two equal amounts. These proceeds are applied directly to your tuition account. Graduate PLUS loans are available through the Direct Loan Program, which is administered by the federal government. All loans will be processed with the Department of Education as your lender. The fixed interest rate is set by the Department of Education and will be established each award year. The Department of Education will withhold a small processing fee from your requested loan amount. First-time



borrowers will be required to complete a Master Promissory Note with the Department of Education and are also required to complete student loan entrance counseling at [www.studentloans.gov](http://www.studentloans.gov). Information about the Graduate PLUS Loan may be obtained from the Office of Financial Planning website at [elon.edu/finaidborrow](http://elon.edu/finaidborrow).

#### Forgivable Education Loans for Service

Created by the 2011 N.C. General Assembly, this program is a forgivable loan providing funding to students pursuing degrees in certain critical fields. Recipients must sign a promissory note agreeing to repay the loan by working in North Carolina in their approved field of study. Visit the College Foundation of North Carolina's website for more information ([CFNC.org/FELS](http://CFNC.org/FELS)) or 866-866-2362.

#### Yellow Ribbon Program

Elon's DPT program is participating in the federal government's Yellow Ribbon Program, designed to assist post-9/11 veterans with secondary and post-secondary educational opportunities. Elon's DPT program will contribute \$5,000 to three post-9/11 veterans on a first-come, first-serve basis, which will be matched by the U.S. Department of Veterans Affairs.

#### American Academy of Physician Assistants

Elon PA students are encouraged to review the Student Academy of the American Academy of Physician Assistants Financial Aid Resources website ([aapa.org](http://aapa.org)) for information about scholarships, awards and grants.

#### National Health Service Corps

The National Health Service Corps (NHSC) scholarship is a competitive program that pays tuition, fees and provides a living stipend to students enrolled in accredited medical (MD or DO), dental, nurse practitioner, certified nurse midwife, and physician assistant training programs. Upon graduation, scholarship recipients serve as primary care providers between 2 and 4 years in a community-based site in a high-need Health Professional Shortage Area (HPSA) that has applied to and been approved by the NHSC as a service site.

Awards are made to applicants most committed to serving underserved people, most likely to build successful careers in HPSAs, and meet future needs for care throughout the nation. Application instructions can be found at the NHSC website.

Note: Candidates must be accepted for enrollment or enrolled in a program on or before September 30 in order to apply for the scholarship. Because the Elon PA program enrolls in January, our students are eligible to apply during their first year of enrollment. For example, an Elon PA student could apply as early as March\* of their first year and if awarded the scholarship begin receiving funding in July of their first year. As a result, the PA student could receive funding for a total of 21 out of their 27 months of the program.



### American Physical Therapy Association

Doctor of Physical Therapy students are encouraged to review the American Physical Therapy Association website ([apta.org](http://apta.org)) for information about scholarships, awards and grants.

### Scholarship programs

A limited number of Doctor of Physical Therapy scholarships ranging from \$5,000 to \$14,000 will be awarded annually to students who have demonstrated academic ability and talent as well as an enthusiasm and commitment for the physical therapy profession. Every admitted student will be considered for scholarship in light of all academic work, GRE scores, letters of recommendation, interview scores and demonstrated leadership ability. Students will be notified of their award at the time of acceptance if selected. Students who receive a scholarship are required to maintain good academic and professional standing in the program.

A number of merit-based scholarships are also available to Interactive Media students who demonstrate an enthusiasm for learning and a commitment to energizing media communication. Scholarship amounts range from \$4,000 to \$12,000.

### Private sources

Many companies, corporations, foundations and school systems offer assistance to students based on a variety of qualifications. Students should investigate policies of their employers and check with the many local civic organizations to determine the availability of such funds and their application procedures.

**Please note that federal and state loan programs are not available to international students.**

## Academic regulations

### Course registration

Registration information is available to all students prior to registration. Students are expected to register themselves on designated days. Registration includes academic advising, selection of courses and payment of fees. As part of the preregistration/registration process, graduate faculty are available to offer advice concerning scheduling of courses and assisting with registration.

DPT and PA students follow a varied registration procedure. Please contact the DPT program director at 336-278-6400 and the PA program director at 336-278-6847.

Undergraduates are not permitted to register for graduate courses.

### Changes in class schedule

The university reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the university reserves the right to close registration when the maximum enrollment has been reached and to make changes in schedule and/or faculty when necessary.



### *Dropping courses*

A student may officially drop any class with a “W” (withdraw without penalty) halfway through the term, which includes the week of examinations. The withdrawal period applies to programs following the regular semesters and the summer sessions. After that date, no class may be dropped. Any exception to this policy is the responsibility of the appropriate academic dean’s office.

A course dropped without permission of the Registrar is automatically graded “F.”

A student who withdraws from the university for any reason (except for a medical reason) receives grades of “W” if the withdrawal is before the designated half-term time period. After this time a student will receive a “W” or “F” depending on his/her grades at the time of withdrawal.

### *Graduate grading system and quality points\**

Graduation is dependent upon the quality as well as the quantity of work completed. Letter grades are used. They are interpreted in the following tables, with the quality points for each hour of credit shown at right:

Grade		Quality Points
A	Distinguished	4.0
A-	Excellent	3.7
B+	Above average	3.3
B	Average	3.0
B-	Below average	2.7
C	Unsatisfactory	2.0
F	Failure	0
I	Incomplete	0
WD	Medical withdrawal	0
W	Withdrawal	0
NR	No report	0

Pluses and minuses added to the letter grade pertain only to the MBA program. **For the DPT and MSPAS grading system, please refer to the DPT and DPAS Student Handbook.** Grades of “A” through “F” are permanent grades and may not be changed except in cases of error. After a professor has certified a grade to the Registrar, he or she may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the program director/committee chairperson.

An “I” grade signifies incomplete work because of illness, emergency, extreme hardship or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. After the date designated on the appropriate academic calendar, “I” grades automatically change to “F” unless an extension is granted by the Dean of Academic Affairs.

### *Grade point average (GPA)*

The grade point average is computed by dividing the total quality points on work attempted at Elon University by the number of hours attempted, except for courses with grades of “WD,” “W” or “S.”

### *Grading system for the M.A. in Interactive Media program*

Graduation is dependent upon the quality of work and mastery of material in the 37 hours required to complete the Master of Arts in Interactive Media. Students will be evaluated using the following grade scale:

Grade	Evaluation	Credit
H	Honors	3 hrs.
P	Pass with mastery	3 hrs.
L	Low pass	3 hrs.
F	Failure	0 hrs.
I	Incomplete	
WD	Medical withdrawal	
W	Withdrawal	
NR	No report	

If, in the judgment of the academic program director, faculty and administrators of the School of Communications, a student fails to make satisfactory progress toward the completion of the degree or to demonstrate sufficient promise in the discipline, the student will not be allowed to continue in the program. Registration in the following semester for academically ineligible students will be cancelled automatically.

A student becomes academically ineligible to continue in the program for the following reason: He/she receives a grade of F, or more than one grade of L per semester. For iMedia, the August and January terms are considered part of the fall and spring semesters, respectively.

### *Grading system for the M.Ed. program*

Graduation is dependent upon the quality and completion of course work, as well as evidence of development in professional standards during the 33 hours required to complete the Master of Education in Elementary, Gifted or Special Education. Students will be evaluated using the following grade scale:

Grade	Evaluation	Quality Points
A	Distinguished	4.00
B	Average	3.00
C	Weak	2.00
F	Unsatisfactory	0

A “B” is considered average for graduate work. The expectations should be high for graduate students and B’s accordingly should be expected. The M.Ed. program does not give D’s as final grades, as they are not considered passing.

#### A - Distinguished Performance

Excellent work that demonstrates not only a clear understanding of the material but also a superior ability to utilize that material in the assignment submitted. All criteria are met. The student’s work goes beyond the task and contains additional, unexpected or outstanding features.

#### B - Average Performance

A solid piece of work that demonstrates a good understanding of the material under study and utilizes that material well in the assignment submitted. The student meets the assignment criteria, with few errors or omissions, but there are few additional, unexpected or outstanding features. A “B” is average for graduate work. The average expectations should be high for graduate students, and B’s accordingly should be expected.

#### C - Weak Performance

Work that demonstrates a technical, or basic, understanding of the material under study and which utilizes that material adequately in the assignment submitted. The work meets the assignment criteria. In the graduate program, C’s cannot really be seen as “average.” After all, a student cannot remain in the program if 2 C’s are made. As such, they must be seen as “weak” rather than “average.”

#### F - Unsatisfactory

Work is incomplete, inappropriate and/or shows little or no comprehension of the class material in the assignment submitted.

### *Continuation standards and graduation requirements*

Because all of Elon’s graduate programs differ in continuation standards and graduation requirements, graduate students should consult the section in this catalog dealing with their desired degree for program-specific information.



### *Access to student educational records*

Elon University complies with the Family Educational Rights and Privacy Act of 1974. This act protects the privacy of educational records, establishes the right of students to inspect and review their educational records, and provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office concerning alleged failures by the institution to comply with the act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

### *Transcripts of student records*

Requests for copies of a student's record should be made to the **Office of the Registrar, 2106 Campus Box, Elon, NC 27244**. All graduate transcripts reflect the student's complete graduate academic record. No transcripts will be issued without the written authorization of the student. No transcript is issued for a student who has a financial obligation to the university.

### *Changes*

Adequate notice will be given to enrolled students as changes are made in the graduate programs.

### *Policies*

Instructional and financial policies not covered in this document will follow those printed in the official Elon University Undergraduate Academic Catalog. Students may obtain a copy of this catalog from the **Office of Admissions, 2700 Campus Box, Elon, NC 27244**. The catalog is also available online at [www.elon.edu/catalog](http://www.elon.edu/catalog).



# The DPT Program

## ***A strong program***

In partnership with Alamance Regional Medical Center, Elon's Department of Physical Therapy Education enrolled its charter class for the Master of Physical Therapy (M.P.T.) program in January 1998.

In January 2003, the MPT was replaced by a Doctor of Physical Therapy (DPT) program. Elon's DPT program seeks to produce graduates who will be highly skilled clinician generalists. Graduates will exemplify compassion for individuals of every age, means and ethnicity, and they will be well prepared for leadership, possessing professional integrity as they become part of the health care team.

Alamance Regional's values mirror those of Elon University: excellence, compassion, efficiency, creativity and leadership. The partnership with Cone Health-Alamance Regional provides continuing professional growth for physical therapy faculty.

The Department of Physical Therapy Education was created to extend Elon's mission of excellence to a new arena of professional education. It offers students an opportunity to prepare for multifaceted roles in the physical therapy profession.

## ***A program based on a philosophy of excellence***

The educational philosophy of the DPT program emphasizes preparation for the continuum of care essential to the well-being of the individual client. The faculty incorporate teaching/learning strategies appropriate for the more mature learner, utilizing current communication and computer technology. The program encourages critical thinking, active learning, strong clinical experiences and an evidence-based approach to treatment interventions.

Graduates will be prepared as clinician generalists to provide services throughout the broad spectrum of care, including intensive care, acute care, rehabilitation, outpatient care, home care and skilled nursing. Physical therapists work as members of the health care team, and they function as a point of entry into the health care system.

## ***A unique modular curriculum***

The DPT program's unique modular curriculum is designed to integrate and coordinate courses and modules in a sequence that enhances learning. Students in the program have the opportunity to practice specific learning objectives in a variety of clinical practice settings. The program emphasizes the importance of self-awareness and self-evaluation on the part of the graduate and stresses excellence in clinical skills, compassionate care and leadership in the profession.

The Elon DPT program entails 36 months of full-time study. Didactic education (which includes classroom and laboratories to practice procedures on classmates and clients) with



integrated clinical education assignments in a variety of clinical settings occurs throughout the three years.

#### Year I (beginning January)

Year I consists of a four-week module followed by two 12-week didactic education periods. After a two- to four-week summer break, DPT students return for a 18-week module (including one weeklong break) focused on clients with musculoskeletal problems.

#### Year II

In Year II, an eight-week clinical education phase is followed by a 16-week module focused on neurosciences and clients with neuromuscular problems. Clinical Practicum II (eight weeks) and Clinical Practicum III (eight weeks) follow. Students return to campus to begin Module IX.

#### Year III

In Year III, students complete the 15-week Module IX (including three weeklong breaks). During Modules X and XI, students focus on patients with complex problems, as well as the pediatric and geriatric client. Students will learn principles of administration and supervision. During Module XII (six weeks), students participate in clinical practice selective courses preparing them for the 24-week internship.

DPT students return to campus for Module XIV, one week of electives and the graduation ceremony in December.

### Accreditation

Elon University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097; phone: 404-679-4501) to award bachelor's and master's degree, the Doctor of Physical Therapy degree, and the Juris Doctor degree. The Doctor of Physical Therapy program at Elon University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org); website: [capteonline.org](http://capteonline.org).

### Program mission

Elon University's Doctor of Physical Therapy curriculum, in partnership with Cone Health-Alamance Regional Medical Center, provides graduate professional physical therapy education and supports faculty and student scholarly activity. Solid principles of science and research are incorporated using the highest ethical standards, while looking toward the future of the profession and its role in all health care delivery systems along the continuum of care.

### Program goals

By pursuing this educational mission with integrity and the desire for excellence, the DPT Program will prepare physical therapists who reflect this vision of the profession as espoused by the American Physical Therapy Association:





- Graduates are Doctors of Physical Therapy with enhanced professional identity who are prepared for interdependent practice and direct access to consumers of health care, prevention and wellness services.
- Graduates are recognized by consumers as health care professionals for the diagnosis, management and prevention of movement-related impairments, functional limitations and disabilities.
- Graduates have a commitment to provide comprehensive and accessible health programs for all people with dignity, respect and sensitivity to and appreciation of individual differences.
- Graduates are motivated and guided by the desire for excellence and the highest possible professional, scientific, ethical, legal and moral standards.
- Graduates render evidence-based physical therapy services to consumers and are committed to lifelong learning through continuing professional education and by pursuing professional growth, development and advancement.
- Graduates are leaders and mentors in the physical therapy profession and promote the profession through their support and involvement in professional organizations, including the American Physical Therapy Association and community groups.

### *The faculty*

The DPT faculty are academically skilled and bring a balance of clinical expertise and research experience to both the classroom and the clinical skills courses. There are 14 full-time faculty with doctoral degrees, four of whom hold American Board of Physical Therapy Specialties (ABPTS), including geriatrics, orthopedics and neurology (2). In addition, there are four highly qualified part-time faculty who complement the expertise of the full-time faculty; one is ABPTS certified in orthopedics.

The faculty work cooperatively to prepare Elon graduates to be clinician generalists. The curriculum includes many unique active-learning opportunities for the student. Classes and laboratories are small, so the student-faculty ratio creates an environment where faculty are accessible to students. Faculty serve as role models for students through their participation in teaching, research, clinical practice and community service on campus as well as in the greater Elon University community. Faculty are also active in leadership positions with the American Physical Therapy Association and the American College of Sports Medicine.

### *Costs*

Tuition for the academic year beginning in January 2015 is \$34,680. Books and living expenses are separate. While campus housing is not available for DPT students, the university provides local housing information to admitted students. A nonrefundable enrollment fee of \$1,000 is also required (applied to tuition at enrollment).



## Refunds

Tuition and fees are refunded on a pro rata basis during the first 13 weeks of each half of the academic year. The first half begins on the first day of classes in January. The second half begins on the first day of July. Following is a table of pro rata charges:

Start of the period through the end of third week .....	10% charge
Fourth week through the end of the seventh week .....	50% charge
Eighth week through the end of the 13th week.....	75% charge
Fourteenth week .....	No refund

The effective date of withdrawal is determined by the Associate Vice President of Student Life. Students who believe circumstances warrant an exception from the published policy must appeal to Gerald Whittington, Senior Vice President of Business, Finance and Technology, 113 Alamance Building.

Unpaid charges owed by the student will be deducted from the calculated refund.

The \$1,000 enrollment fee is nonrefundable.

## Exceptions to the institutional policy

Students receiving Title IV financial aid and attending Elon for the first time will receive refunds as follows:

Refunds will be made to students who (a) do not register for the semester for which Title IV financial aid was intended, or (b) withdraw and do not complete the period of enrollment for which the Title IV assistance was intended. The portion of the period for which a student can receive a refund is computed by dividing the time (in weeks) remaining in the period by the total time (in weeks) of the period and rounding downward to the nearest 10 percent, less any unpaid amount owed to the university. Refunds will not be made after 60 percent of the period has been completed. Each enrollment period is considered to be 25 weeks.

Medical withdrawals will be handled on a case-by-case basis.

## DPT admissions requirements and procedures

The DPT admissions policy at Elon is designed to select outstanding students who have demonstrated both academic ability and talent in their field. Each application is considered in light of all completed academic work, test scores, evidence of leadership and motivation, work history and credentials, letters of recommendation and a required interview.

## Admission Process

The Elon DPT program participates in the Physical Therapist Centralized Application Service (PTCAS). All applicants will apply online using the PTCAS application. To apply, visit [ptcas.org](https://ptcas.org).



### *Admission Requirements*

- Each applicant must complete a bachelor's degree in the United States from a regionally accredited college or university. International degrees that have been evaluated as United States equivalent will not fulfill this requirement. All prerequisites must be completed at a regionally accredited college or university.
- Minimum GPA of 3.2 for undergraduate work
- Official transcripts of all undergraduate and any graduate studies completed or taken
- Minimum combined verbal and quantitative score of 1000 (or 297 on the revised GRE taken after 7/31/11) on the Graduate Record Examinations (GRE) taken within the last five years. A minimum of 3.0 is required for the Analytical Writing Score.
- Completion of prerequisite courses
  - Minimum of six science courses selected from the following: biology, chemistry, human anatomy/physiology, exercise psychology, kinesiology, biomechanics, pathology and/or physics
  - Minimum of one psychology course (3-credit hour course or higher)
- Grades of "C" or better are required in each prerequisite course. However, a minimum overall science GPA of 3.0 is required. No prerequisite course may be taken on a "pass/no pass" or "credit/no credit" basis; all must be transferable to Elon University.
- Three letters of recommendation
  - One letter should be written by a practicing physical therapist and one should be from a professor or instructor qualified to evaluate the applicant's academic achievement and potential for success as a graduate student.
- Personal statement
- Minimum of 100 hours volunteer or work experience in a general health care setting with at least 20 of these hours in a physical therapy acute inpatient care or hospital setting
- Must be able to meet the Essential Requirements of Physical Therapy Education at Elon University, which are detailed on our website, [elon.edu/e-web/academics/dpt/essential.xhtml](http://elon.edu/e-web/academics/dpt/essential.xhtml).
- The Test of English as a Foreign Language (TOEFL) is required unless English is the student's native language or the language of instruction. A minimum TOEFL score of 550 (paper-based) or 213 (computer-based) or 79 (Internet-based) is required. English translations of transcripts and explanations of grading systems are required.

**Exceptions to the preceding requirements may be considered under special circumstances.**

### *Testing for DPT students: GRE*

Applicants to the DPT program are required to take the Graduate Record Examinations (GRE). The GRE is a computer-based test and is available year-round at select test centers throughout the United States. Students must request the Educational Testing Service (ETS) to send GRE scores directly to PTCAS. Elon's PTCAS code is **7617**. GRE registration bulletins may be obtained from the Office of Graduate Admissions at Elon, via the Internet at [gre.org](http://gre.org) or by calling 1-800-GRE-CALL.

### *International students*

Because several months may be required to receive and process forms from international applicants, applications and complete documentation should be submitted as early as possible. The Test of English as a Foreign Language (TOEFL) is required unless English is the student's native language or the language of instruction. A minimum TOEFL score of 550 (paper-based) or 213 (computer-based) or 79 (Internet-based) is required for admission to any graduate program at Elon. Exceptions to this requirement may be considered under special circumstances.

#### *Requirements for International Students on F-1 Visas*

In addition to DPT Admissions Requirements, F-1 students applications must include:

- Test of English as a Foreign Language (TOEFL) is required unless English is the student's native language or the language of instruction. A minimum TOEFL score of 550 (paper-based) or 213 (computer-based) or 79 (Internet-based) is required.
- English translations of transcripts and explanations of grading systems are required if the transcripts are from institution(s) outside the United States. Original bank statement or letter issued within the last six months.
- Medical insurance and immunization records. Elon requires students to maintain health insurance during the entire period of enrollment.

### *Prerequisite courses*

An application will be considered if the prospective student has no more than two courses — one science and one other prerequisite course — remaining to be completed during the summer or fall before enrollment. Applicants must complete all of the following courses prior to enrollment in the program. All science courses must include labs. Grades of "C" or better are required in each prerequisite course.

#### *Science Courses (six courses)*

The applicant must have six natural and/or life science courses selected from the following: biology, chemistry, human anatomy/physiology, exercise physiology, kinesiology, biomechanics, pathology and/or physics.

#### *Psychology Course (one course)*

It is preferred that this course is from the Psychology Department, but an upper-level course from another department may be acceptable.





Each science prerequisite course must have been successfully completed within 10 years prior to the registration date in January. If the 10-year limit has been exceeded, the prerequisite courses must be repeated and completed by the application deadline. However, as stated above, an applicant may have up to one science course and one other course to be taken at the time of application to the program.

Applicants are expected to demonstrate computer skills through college coursework and/or life experiences.

### *Transfer credits*

Students enrolled in the DPT are not permitted to transfer credits from another graduate program. Exceptions to this policy may be permitted in rare circumstances.

### *Continuation standards*

DPT students who fail to maintain a cumulative grade point average of at least 3.0 will be placed on academic probation. Any student who receives a second Unsatisfactory (U) grade is subject to dismissal from the program. If a student is dismissed from the program, the student may appeal by employing the procedures for Student Appeals listed in the Elon Student Handbook. For consideration for re-admission into the program, the student must compete with the new applicants for the program.

### *Graduation and degree requirements*

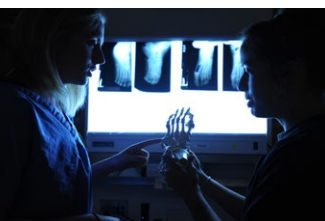
To earn the DPT degree, the graduate student must:

- Have an overall minimum grade point average of 3.0 in all required DPT courses.
- Submit an application for graduation to the Registrar by October 15 preceding the graduation date.
- Complete all required DPT degree courses and requirements in a satisfactory manner within five calendar years.
- Demonstrate professional entry-level competency as determined through the use of the Clinical Performance Instrument (CPI), an evaluation tool developed by the American Physical Therapy Association. The CPI serves as the exit examination for the DPT program.

**It is the student's responsibility to be familiar with the preceding requirements for graduation.**

### *Graduate-level licensure*

The DPT graduate is eligible to sit for the licensure examination upon satisfactory completion of all requirements for the DPT degree.



## Year I

**MODULE I (4 WEEKS)****DPT 600 (4)**  
**Psychosocial Aspects of Health Care**

This course addresses the psychological and sociological effects of acute, chronic, progressive, psychiatric, terminal, traumatic, and congenital medical problems on the client, family, and therapist; the relationship of race, religion, ethnic background, gender and sexuality, medical beliefs, and language to client/-therapist interactions and to the well-being of the client; communication skills used with clients, families, and colleagues; and use of self-awareness to enhance the therapist's therapeutic presence. Emphasis is on clinical application with active student involvement.

*Unsatisfactory course grade—Remediation during the break between Modules II and III.*

**DPT 601 (2)**  
**Today's Health Care Systems**

This course will introduce students to the organizational, financial, and socio-political development of the American health care system and of the physical therapy profession within that system. We will also explore the legal, ethical, and professional environments within which today's successful physical therapist must work. Knowledge of the players, processes, parameters, principles and politics that characterize the U. S. health care system and the PT profession will provide students with the tools to be more active and influential participants in the current and future shaping of the profession, and to be more effective and productive practitioners within the U. S. health care system.

*Unsatisfactory course grade—Remediation during the break between Modules II and III.*

**DPT 602 (1)**  
**Principles of Teaching and Learning**

Teaching-learning theories applied to clinical practice with clients and their families. Teaching techniques for giving presentations and demonstrations to various audiences. Methods of self-assessment and learning assessment taught.

*Unsatisfactory course grade—Remediation at end of Year I of curriculum.*

**DPT 603 (604) (5)**  
**Human Anatomy I (II)**

Part I of a III module series, this course provides a comprehensive study of normal and pathological function of human movement with emphasis on the skeletal, articular, and muscular systems. Module

I & II address the thorax, abdomen, spine and upper extremities. Using a regional approach, the course includes the study of clinically relevant visceral anatomy and includes the use of radiographic and some histological studies as well as surface anatomy and clinical palpation. The laboratory experience includes the study of personally dissected as well as prosected human donors. In addition, there will be inter-professional opportunities with Physician Assistant students and faculty.

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

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<b>Total Module I Credits</b>	<b>7</b>
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**MODULE II (12 WEEKS)****DPT 603 (604) (5) (5)**  
**Human Anatomy I (II)**

Continued from Module I. DPT 603 and 604 will be coordinated with DPT 605 and 606, Human Physiology and Pathophysiology.

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

**DPT 605 (606) (5) (5)**  
**Human Physiology and Pathophysiology I (II)**

Module II will focus upon normal human physiology. The normal function of major subsystems to include nervous, muscular, cardiovascular, respiratory, renal and endocrine systems as a basis for human movement and function.

Module III will focus upon how the normal human physiology is altered when pathologic conditions occur. Students will integrate information of the pathophysiology of major subsystems discussed in Module II.

DPT 605 and 606 will be coordinated with DPT 603 and 604, Human Anatomy.

*Unsatisfactory course grade—No Remediation. Re-enroll and retake course next year. Student will not continue in the DPTE curriculum.*

**DPT 607 (3)**  
**Physical Therapy Science I**

Introduction to physical therapy skills of assessment and intervention for patient mobility including bed mobility, gait training, ambulation aids, transfers, wheelchair mobility, wheelchair and cushion selection, passive range of motion therapeutic exercises, draping, mobility management of patient with lines, leads



and tubes, and monitoring of patient's physiologic responses to mobility activities.

*Unsatisfactory course grade—Remediation during the break between Modules II and III.*

### DPT 608 (2) Physical Therapy Science II

Application of physiologic principles used with application of hydrotherapy, superficial heat and cold, thermal and non-thermal ultrasound in management of patient's injuries. Emphasis on problem solving and clinical reasoning to determine most appropriate interventions based upon stage of injury and patient's clinical signs and symptoms. Enhance skills in history taking and commonly utilized documentation methods. Practice skills required to maintain a sterile environment or universal precautions.

*Unsatisfactory course grade—Remediation during the break between Modules II and III.*

### DPT 611 (621) (3) (2) Research Design I (II)

Review statistical and experimental procedures used in biomedical research. Develop skills to critically evaluate and discuss scientific literature. Participate in a group project to identify a research topic, write an institutional/review board application, collect and analyze data, and make a poster presentation to the Elon community.

*Unsatisfactory course grade—Remediation during the break between Modules II and III.*

### DPT 612(613)(619)(703) (1) (1) (1) (1) Clinical Seminar I (II) (III) (IV)

Series of four clinical skills laboratory courses throughout the DPT curriculum. Emphasis on enhancement of student's generic abilities, interview skills, documentation, examination skills, intervention strategies, utilization of evidence-based decision-making model with justification for examination and intervention strategies, prioritize patient problems and identify step-wise progression of patient with appropriate use of therapeutic exercises. Conduct laboratory sessions in mock clinical setting (to include broad spectrum of the continuum of care settings) where student must balance ethical dilemmas with payment limitations created by today's health-care systems. Provide opportunity for student to practice clinical problem solving in a supportive environment. Each course will build upon the skills from previous modules. Early seminar courses will present simple patient (client) cases; later courses will emphasize the complex patient. Student expected to justify choices and decisions about patient care in "grand rounds" style. By the end of Seminar IV, student will demonstrate self-confidence in clinical skills and decision-making abilities. Goal is to prepare the

student for the contemporary world of physical therapy. Student use of evidence-based decision making to permeate the entire 36-month curriculum.

*Unsatisfactory course grade*

*(612) Remediation during the break between Modules II and III.*

*(613) Remediation during the break between Modules III and IV.*

*(619) No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program."*

*(703) Remediation during Module VII. Will delay DPT704 Clinical Practicum II. WILL DELAY GRADUATION from the program."*

## Total Module II Credits

19

## MODULE III (12 WEEKS)

### DPT 604 (5) Human Anatomy II (Continued from Modules I and II)

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

### DPT 606 (5) Human Physiology and Pathophysiology II (Continued from Module II)

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

### DPT 609 (3) Physical Therapy Science III

Basic skills of goniometry, manual muscle testing and postural evaluation to measure impairment.

*Unsatisfactory course grade—Remediation during the break between Modules III and IV.*

### DPT 610 (2) Human Motor Development

This module examines the early attainment of movement and the developmental changes in body structures and systems which impact motor skill acquisition. Emphasis is placed on early system changes however lifespan comparisons are introduced. Typical motor development is presented in terms of the relationships that motor performance has with growth and maturation of the musculoskeletal, neurological, physiological, and sensory systems. Classroom & lab work bring to light the diversity of development among individuals and cultures.

*Unsatisfactory course grade—Remediation during the break between Modules III and IV.*



**DPT 613 (1)(1)(1)**  
**Clinical Seminar II (III) (IV)**

Second seminar in series of four. See course description in Module II.

*Unsatisfactory course grade—Remediation during the break between Modules III and IV.*

**DPT 614 (4)**  
**Foundations of Biomechanics and Musculoskeletal Management**

Basic concepts of biomechanics and musculoskeletal management are presented to prepare the student for application to specific regional problems in Module IV, 3 courses: DPT 616, 617, 618: Biomechanics and Management of Musculoskeletal Dysfunction I, II, and III. Principles of biomechanics (kinematics and kinetics) and functional characteristic of bone, connective tissue, and skeletal muscle are presented to develop a conceptual framework for discussion and application to human motion. Content includes an introduction to musculoskeletal physical therapy and the steps of patient/client management to include: history, tests and measures, diagnosis, prognosis, and physical therapy intervention. The foundational concepts are supported by an introduction to a clinical reasoning process informed by current best practice and utilized throughout the musculoskeletal module.

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

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**Total Module III Credits 20**

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**MODULE IV (18WEEKS; INCLUDING ONE WEEKLONG BREAK)**

**DPT 616, 617, 618 (7) (6) (6)**  
**Biomechanics and Management of Musculoskeletal Dysfunction I-III**

Biomechanics and patient/client management of musculoskeletal dysfunction will be approached regionally and sequenced proximal to distal during the progression of three courses. Content includes joint mechanics and functional anatomy (arthrokinematic and osteokinematic motion), common pathologies/dysfunctions and management of those problems to include patient/client history, documentation, systems review, tests and measures, diagnosis, prognosis and intervention. Diagnostic imaging and pharmacology integrated into three courses. An analysis of total body movement as well as individual joints is utilized to

assist understanding of biomechanics and orthopedic management.

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

**DPT 619 (1) (1)**  
**Clinical Seminar III (IV)**

Third seminar in series of four. See course description in Module II.

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

**DPT 620 (1)**  
**Clinical Imaging**

Elements of reading roentgenographs, CAT and MRI scans for the physical therapist to enhance patient interventions.

*Unsatisfactory course grade—Remediation during Module V. WILL DELAY DPT700 Clinical Practicum I. WILL DELAY GRADUATION from the program.*

**DPT 622 (1)**  
**Therapeutic Pharmacokinetics**

Effects of commonly used drugs in patients with physical disability; side effects that alter physical performance or responses to exercise.

*Unsatisfactory course grade—Remediation during Module V. WILL DELAY DPT700 Clinical Practicum I. WILL DELAY GRADUATION from the program.*

**DPT 621 (2)**  
**Research Design II**  
**(Continued from Module III, Research Design I)**

*Unsatisfactory course grade—Remediation during Module V. WILL DELAY DPT700 Clinical Practicum I. WILL DELAY GRADUATION from the program.*

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**Total Module IV Credits 24**

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**Year II**

**MODULE V (8 WEEKS)**

**DPT 700 (4)**  
**Clinical Practicum I**

First of three 8-week, full-time clinical education requirement integrated into the 3-year DPT curriculum designed to provide the student opportunity to apply knowledge and skills acquired during Year I. Clinical practice settings for DPT 700 (Clinical Practicum I) will be selected so the student meets the outpatient/ambulatory care setting, and musculoskeletal patient





diagnoses requirements as defined in the APTA *Guide to Physical Therapist Practice*.

*Unsatisfactory course grade—Remediation during Module VII or XIII. WILL DELAY GRADUATION from the program.*

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**Total Module V Credits**
**4**

## MODULE VI (16 WEEKS)

### DPT 701 (10)

#### Neuroscience

Anatomy and physiology of the human nervous system; development, cellular, chemical, and structural basis for normal and abnormal sensorimotor and higher cognitive function. Discusses the clinically relevant pathological sequelae and the neurobiological basis for clinical intervention. Emphasizes a highly organized and interconnected nervous system with multiple mechanisms of neuroplasticity. Neuroimaging is integrated into the course.

*Unsatisfactory course grade—Remediation during Module VII. WILL DELAY DPT704 Clinical Practicum II. WILL DELAY GRADUATION from the program.*

### DPT 702 (12)

#### Management of Neuromuscular Disorders

Systematic, problem-solving approach to neurologic problems of the central and peripheral nervous systems with emphasis on epidemiology, clinical signs and symptoms, medical/surgical interventions, P.T. examination and interventions, and outcomes: laboratory included.

*Unsatisfactory course grade—No remediation; must repeat course in cycle. Re-enroll and retake course next year. WILL NOT CONTINUE IN THE CURRICULUM. WILL DELAY GRADUATION from the program.*

### DPT 703 (1)

#### Clinical Seminar IV

Fourth seminar in series of four. See course description in Module II.

*Unsatisfactory course grade—Remediation during Module VII. WILL DELAY DPT704 Clinical Practicum II. WILL DELAY GRADUATION from the program.*

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**Total Module VI Credits**
**23**

## MODULE VII (8 WEEKS)

### DPT 704 (4)

#### Clinical Practicum II

Second 8-week, full-time clinical education requirement integrated into the 3-year DPT curriculum designed to provide the student opportunity to apply knowledge and skills acquired during Year I and II. Clinical settings for DPT 704 (Clinical Practicum II) and DPT 711 (Clinical Practicum III) will be selected so the student meets the Acute Care, Rehabilitation settings, and/or neuromuscular patient diagnoses requirements as defined in the APTA *Guide to Physical Therapist Practice*.

*Unsatisfactory course grade—Remediation during Module VIII. WILL DELAY GRADUATION from the program.*

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**Total Module VII Credits**
**4**

## MODULE VIII (8 WEEKS)

### DPT 711 (4)

#### Clinical Practicum III

Third 8-week, full-time clinical education requirement integrated into the 3-year DPT curriculum designed to provide the student opportunity to apply knowledge and skills acquired during Year I and II. Clinical settings for DPT 704 (Clinical Practicum II) and DPT 711 (Clinical Practicum III) will be selected so the student meets the Acute Care, Rehabilitation settings, and/or neuromuscular patient diagnoses requirements as defined in the American Physical Therapy Association's *Guide to Physical Therapist Practice*.

*Unsatisfactory course grade—Remediation during Module XIII. WILL DELAY GRADUATION from the program.*

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**Total Module VII Credits**
**4**

## Year III

## MODULE IX (15WEEKS; INCLUDING THREE WEEKLONG BREAKS)

### DPT 705 (5)

#### Principles of Electrotherapeutic Examination and Intervention; Management of Integumentary Disorders

Basic concepts in electrical safety and instrumentation, detailed concepts and applications of electrotherapy introducing principles of electrophysiologic



testing and therapeutic application of electrical stimulation (ES), including strengthening (NMES), re-education, pain reduction (TENS), tissue repair (ESTR) and iontophoresis. Electrophysiologic testing to include an introduction to electromyography (EMG), nerve conduction velocity (NCV) and other electrophysiological tests. Systematic problem-solving approach to integumentary disorders with emphasis on etiology, pathophysiology, examination techniques and approaches, clinical signs and symptoms, multidisciplinary considerations, and evidence-based treatment approaches.

*Unsatisfactory course grade – Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### DPT 706 (5)

##### Physiology of Exercise

Human physiologic responses to exercise including changes and adaptations in cardiopulmonary, musculoskeletal and neuromuscular systems across the life span, including normal response and response of those with special needs. Exercise training principles explored through case presentations laboratory experiences, class discussion and lecture. Basic nutrition principles taught in relationship to exercise.

*Unsatisfactory course grade – Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### DPT 707 (4)

##### Management of Cardiopulmonary Dysfunction

Cardiac and pulmonary pathophysiology of patients to include physical therapy management of clients, laboratory and lecture.

*Unsatisfactory course grade – Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### DPT 708 (3)

##### Prosthetics and Orthotics

Examination and intervention through application of prosthetic and orthotic devices for patients (clients). Analysis of gait patterns created through use of prosthetic and orthotic devices; includes laboratory.

*Unsatisfactory course grade – Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### DPT 709 (1) (1)

##### Directed Research I

Guided instruction in the discussion and presentation of peer reviewed research. Students will gain experience, practice and comfort discussing relevant research and

the application of research to clinical practice.

*Unsatisfactory course grade – Remediation before Module XIII*

*(Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### Total Module VIII Credits

18

### MODULE X (4 WEEKS)

#### DPT 800 (4) Clinical Decision Making with Complex Patient (Client)

Role of physical therapy in rehabilitation of client with complex and/ or multiple problems of the neurologic, musculoskeletal, and/ or cardiopulmonary systems will be emphasized. Emphasis will be placed on clinical problem solving to obtain the desired functional outcome for the client. Guided instruction will assist the student in making appropriate clinical decisions regarding examination, interventions with emphasis on functional outcomes, and clinical decisions to progress the patient with relevant therapeutic exercise programs. Evidence-based research will be used to determine interventions. Video-recorded client case presentation will follow the patient through the numerous levels of care including intensive care to home care.

*Unsatisfactory course grade – Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### DPT 801 (4)

##### Management of the Pediatric Client

This course provides the learner with a systematic, problem solving approach to the pediatric client with emphasis on prevention, examination, evaluation, diagnosis/prognosis, outcomes and interventions. The course will identify central issues related to therapeutic intervention for children and their families; includes laboratory.

*Unsatisfactory course grade – Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### Total Module X Credits

8

### MODULE XI (4 WEEKS)

#### DPT 802 (4) Principles of Administration and Management

Whether functioning as a staff employee or administrator in a hospital or health care agency or as an independent contractor in the private sector,

the Doctor of Physical Therapy must be prepared to address issues associated with the practice of physical therapy as business enterprise within the U. S. health care system. Knowledge and skills associated with administrative and managerial aspects of professional PT practice will be essential for functioning as an effective employee, supervisor, or entrepreneur. This course is designed to teach fundamental administrative and managerial skills and knowledge essential for planning and operating a PT business practice or department. Possession of such skills and knowledge will enable graduates to more effectively engage in professional practice as cooperative, collaborative, and contributing employees or as effective and financially successful private practitioners.

*Unsatisfactory course grade—Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

#### DPT 803 (4)

##### Geriatric Health and Wellness

Holistic approach to the geriatric client as an active participant in the health care process. Specific attention is given to the aging process, preventive care, management of pathological aging, and possibilities for the future of geriatric physical therapy.

*Unsatisfactory course grade—Remediation before Module XIII (Internship). May delay DPT 805 internship. May delay graduation from the program.*

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**Total Module XI Credits 8**

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### MODULE XII (6 WEEKS)

#### DPT 804 (12)

##### Advanced Clinical Practice Selective Tracks

Continued study in selected topic areas including the broad spectrum of primary clinical practice settings. Generally, students focus on 1 of 3 areas: musculoskeletal, neuromuscular rehabilitation or research. Much of the course will be taught in a mock clinical setting with patients/clients for musculoskeletal and neuromuscular tracks and in a laboratory-based or field work setting for research track. Topics included may vary from year to year. Emphasis will be on continued development of clinical and research skills to prepare students for today's demanding health care environment. In lieu of continued study in 1 of 3 areas, students may request an independent study in physical therapy. Request will be generated by the

student through a faculty sponsor. Requires advanced approval (by the beginning of Year III of the DPT curriculum) of the course faculty.

*Unsatisfactory course grade—Remediation during Module XIII. WILL DELAY DPT 805 Internship. WILL DELAY GRADUATION from the program.*

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**Total Module XII Credits 12**

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### MODULE XIII (24 WEEKS)

#### DPT 805 (12)

##### Internship

Six-month (24 weeks, full-time) clinical Internship to provide opportunity for integration of all didactic knowledge, and clinical competency development to reach entry-level. Frequent use of computer technology to acquire research evidence to support clinical decision making for each patient/client. Internet connections among students, preceptor and DPTE faculty. Synchronous and non-synchronous chat rooms. The Internship is designed to integrate critical inquiry, administration, education and consultation into all aspects of patient/client management.

*Unsatisfactory course grade—will need to remediate the course. WILL DELAY GRADUATION from the program."*

#### DPT 809 (1)

##### Directed Research II

Guided instruction in the development, planning, and writing of a case report. Final submission will be "publication ready."

*Unsatisfactory course grade—will need to remediate the course. WILL DELAY GRADUATION from the program.*

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**Total Module XIII Credits 13**

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### MODULE XIV

#### Electives

Students are offered a selected topic presented in the style of a continuation education course. Also, a licensure review course is presented. Participation in Electives week is required.



## Administration

**Leo M. Lambert, B.A., M.Ed., Ph.D.**  
President

**Gerald L. Francis, B.S., M.A., Ph.D.**  
Executive Vice President

**Steven D. House, B.S., Ph.D.**  
Provost and Vice President of Academic Affairs

**Elizabeth A. Rogers, B.S., M.Ed., Ed.D.**  
Dean of the School of Health Sciences and Professor of Physical Therapy

**Arthur W. Fadde, B.S., M.Ed.**  
Associate Dean of Admissions and Director of Graduate Admissions

## Faculty

**Stephen E. Folger, Chair/Program Director of the Department of Physical Therapy Education and Professor of Physical Therapy**  
B.S., Ithaca College; Ph.D., The University of North Carolina at Chapel Hill

**Addison Williams Andrews, Associate Professor of Physical Therapy**  
B.S. in Physical Therapy, The University of North Carolina at Chapel Hill; M.S., The University of North Carolina at Chapel Hill; Ed.D., North Carolina State University; Clinical Specialist in Neurologic Physical Therapy

**Stephen P. Bailey, Professor of Physical Therapy**  
B.A., Western Maryland College; B.S., Medical University of South Carolina; M.A., Wake Forest University; Ph.D., University of South Carolina; Fellow, American College of Sports Medicine

**Carrie Ann Brice, Assistant Professor of Physical Therapy**  
B.S., M.S., D'Youville College; DPT, C.W.S., Elon University

**(Joe) Gray Carpenter, Assistant Professor of Physical Therapy**  
B.S., East Carolina University; DPT, The University of North Carolina at Chapel Hill, Clinical Specialist in Orthopedic Physical Therapy; Fellow in American Academy of Orthopaedic Manual Physical Therapist (FAAOMPT)

**Susan A. Chinworth, Associate Professor of Physical Therapy**  
B.S., Washington University; M.S., University of North Texas; Ph.D., Texas Woman's University

**Janet M. Cope, Associate Professor of Physical Therapy**  
B.S., University of New Hampshire; M.A., Springfield College; M.A., University of Massachusetts at Amherst; Ph.D., University of Massachusetts at Amherst

**Paula DiBiasio, Assistant Professor of Physical Therapy**  
B.S., Northeastern University; M.S., The University of North Carolina at Chapel Hill; DPT, Massachusetts General Hospital Institute of Health Professions

**Jane Freund, Associate Professor of Physical Therapy**  
B.S., East Stroudsburg State College; MPT, U.S. Army – Baylor University; M.S., The University of North Carolina at Chapel Hill; DPT, Arizona Health Sciences University; Clinical Specialist in Neurologic Physical Therapy

**Johanna Janssen, Associate Professor of Physical Therapy and Director of Clinical Education**  
B.S., Jan van Essen Academy; M.S., United States Sports Academy; Ed.D., Nova Southeastern University

**Charity Johansson, Professor of Physical Therapy**  
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**Daryl Lawson, Associate Professor of Physical Therapy**  
B.S., Central Michigan University; M.P.T., University of Southern California; DSc., Loma Linda University

**Elisabeth Pennington, Assistant Professor of Physical Therapy**  
B.A., North Carolina State University; M.A., The University of North Carolina at Greensboro; C.C.C. – Speech-Language Pathology

**Deborah M. Stetts, Associate Professor of Physical Therapy**  
B.S., Pennsylvania State University; M.P.T., U.S. Army - Baylor University; M. Strategic Studies - U.S. Army War College; DPT, A.T. Still University; Clinical Specialist in Orthopaedic Physical Therapy; Fellow in American Academy of Orthopaedic Manual Physical Therapy



**Stacy Thurm, P.T., M.P.T., Assistant Director of Clinical Education**  
M.P.T., Northern Arizona University; B.A. University of Vermont

**Srikant Vallabhajosula, B.E., M.S. Ph.D.**  
B.E., Osmania University; M.S., University of Cincinnati; Ph.D., University of Florida

**Robin Waldron, Assistant Professor of Physical Therapy**  
B.S., East Carolina University; DPT, Elon University

### **Staff**

**Gytis Balilionis, Ph.D, Laboratory Coordinator**  
**Brenda Junious, Program Assistant in Clinical Education**  
**Dianne Little, Program Assistant**  
**Nita Skillman, Clients and Standardized Patient Coordinator**