

COLLEGE OF HEALTH PROFESSIONS

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Programs

- Athletic Training (Professional), M.S. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/athletic-training-professional-ms/>)
- Biomechanics, M.S. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/biomechanics-ms/>)
- Communication Disorders, M.S. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/communication-disorders-ms/>)
- Dietetics, Internship Certificate (<http://catalog.marshall.edu/graduate/programs-az/health-professions/dietetics-internship-certificate/>)
- Dietetics, M.S. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/dietetics-ms/>)
- Exercise Science, M.S. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/exercise-science-ms/>)
- Family Nurse Practitioner Program, Post Master's Certificate (<http://catalog.marshall.edu/graduate/programs-az/health-professions/family-nurse-practitioner-program-post-masters-certificate/>)
- Nursing Administration Program, Post Master's Certificate (<http://catalog.marshall.edu/graduate/programs-az/health-professions/nursing-administration-program-post-masters-certificate/>)
- Nursing Education Program, Post Master's Certificate (<http://catalog.marshall.edu/graduate/programs-az/health-professions/nursing-education-program-post-masters-certificate/>)
- Nursing, M.S.N. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/nursing-msn/>)
- Physical Therapy, D.P.T. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/doctor-physical-therapy/>)
- Public Health, M.P.H. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/public-health-mph/>)
- Social Work, M.S.W. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/social-work-msw/>)
- Sport Administration, M.S. (<http://catalog.marshall.edu/graduate/programs-az/health-professions/sport-administration-ms/>)
- Sport Studies, Minor (<http://catalog.marshall.edu/graduate/programs-az/health-professions/sport-studies-minor/>)

Courses

Communication Disorders

CD 515 Professional Literacies SLP **3 Credit hours**
Investigation into contemporary understandings of literacy using current communication and information technologies and resources.
Grade Mode: Normal Grading Mode

CD 524L DX Processes Laboratory **1-3 Credit hours**
Observation and practice in evaluating individuals with communication disorders.

Grade Mode: Normal Grading Mode

CD 526L TX Procedures I Lab **1 Credit hour**
Observation of individuals with communication disorders and introduction to analysis of the clinical process.

Grade Mode: Credit/No Credit Grade Only

CD 527 Therapeutic Procedures II **3 Credit hours**
Examination of therapeutic procedures relative to speech and language disorders. Investigation into the clinician's role in case management as well as behavior management techniques.

Grade Mode: Normal Grading Mode

CD 527L TX Procedures II Lab **1 Credit hour**
Observation and in-depth analysis of the clinical process.

Grade Mode: Credit/No Credit Grade Only

CD 563 Aural Rehabilitation **3 Credit hours**
Examination of various intervention strategies appropriate for individuals with hearing impairments; techniques for assessing degree of handicap.

Grade Mode: Normal Grading Mode

CD 570 Clinical Practicum I **1-3 Credit hours**
Supervised clinical practicum in the Marshall University Speech and Hearing Center or other site with a faculty member from Marshall University Dept. of Communication Disorders. (Permission of the Instructor).

Grade Mode: Normal Grading Mode

CD 570L Intro Clinical Principles **1 Credit hour**
This seminar will present the basic clinical principles and procedures including but not limited to professional communication, documentation, evidence-based practice, HIPAA compliance and safety issues within the MUSHC.

Co-req: CD 570

Grade Mode: Credit/No Credit Grade Only

CD 571 Clinical Practicum II **1-3 Credit hours**
Supervised clinical practicum in the Marshall University Speech and Hearing Center or other site with a faculty member from Marshall University Dept. of Communication Disorders. (Pre-requisite CD 570; Permission of the Instructor).

Pre-req: CD 570.

Attributes: No Textbook Required

Grade Mode: Normal Grading Mode

CD 571L Clin Prin of Assessment **1 Credit hour**
This lab/seminar corresponds with CD 571 and will present the basic clinical principles and procedures related to the evaluation process of individuals with communication and swallowing disorders.

Pre-req: CD 570L.

Co-req: CD 571

Attributes: No Textbook Required

Grade Mode: Credit/No Credit Grade Only

CD 580 Special Topics **1-4 Credit hours**
PR: Permission of chair.

Grade Mode: Normal Grading Mode

CD 581 Special Topics **1-4 Credit hours**
PR: Permission of chair.

Grade Mode: Normal Grading Mode

CD 582 Special Topics PR: Permission of chair. Grade Mode: Normal Grading Mode	1-4 Credit hours	CD 625 Acquired Aphasia Advanced study of the acquired aphasias and commonly co-occurring motor speech disorders; critical analysis of research literature. (PR: Permission of instructor) Advanced study of the acquired aphasia; critical analysis of research literature. Grade Mode: Normal Grading Mode	3 Credit hours
CD 583 Special Topics PR: Permission of chair. Grade Mode: Normal Grading Mode	1-4 Credit hours	CD 628 Child Lang Dis: Inf/Presch Advanced study of the development of language; language sampling procedures, analysis and application. Grade Mode: Normal Grading Mode	3 Credit hours
CD 585 Independent Study PR: Permission of chair. Attributes: No Textbook Required Grade Mode: Normal Grading Mode	1-4 Credit hours	CD 629 Chld Lang Dis: Sch/Adoles Advanced study of current topics in language disorders in children; critical analysis of research literature. Grade Mode: Normal Grading Mode	3 Credit hours
CD 586 Independent Study PR: Permission of chair. Grade Mode: Normal Grading Mode	1-4 Credit hours	CD 630 Cognitive Comm Disorders Intensive study of the nature and etiology of communication disorders associated with traumatic brain injury, right hemisphere lesions, dementia, and other neuropathologies; diagnosis and treatment; critical analysis of research literature.[PR: Permission of instructor] Grade Mode: Normal Grading Mode	3 Credit hours
CD 587 Independent Study PR: Permission of chair Grade Mode: Normal Grading Mode	1-4 Credit hours	CD 650 Special Topics Program of study not normally covered in other courses. Topics vary from semester to semester. Grade Mode: Credit/No Credit Grade Only	3 Credit hours
CD 588 Independent Study PR: Permission of chair Grade Mode: Normal Grading Mode	1-4 Credit hours	CD 651 Special Topics Program of study not normally covered in other courses. Topics vary from semester to semester. Grade Mode: Credit/No Credit Grade Only	3 Credit hours
CD 601 Intro to Graduate Studies An introduction to graduate studies, including clinical and research application; quantitative and qualitative research methodology; critical analysis of clinical instrument and research literature. Grade Mode: Normal Grading Mode	3 Credit hours	CD 652 Special Topics Program of study not normally covered in other courses. Topics vary from semester to semester. Grade Mode: Credit/No Credit Grade Only	1-4 Credit hours
CD 602 Prof Issues in SLP This course will discuss current professional issues in speech-language-pathology, including ethics, reimbursement, multiculturalism, counseling, professional conduct, advocacy, and scope of practice. Grade Mode: Normal Grading Mode	2 Credit hours	CD 653 Special Topics Program of study not normally covered in other courses. Topics vary from semester to semester. Grade Mode: Credit/No Credit Grade Only	1-4 Credit hours
CD 620 CD: Cleft Palate & Voice Intensive study of the anatomy and physiology of laryngeal and maxillofacial structures; voice production and resonance; nature and etiology of voice and resonance disorders; principles of assessment and treatment. Grade Mode: Normal Grading Mode	3 Credit hours	CD 660 Sp Pop: Clinical Consideration Examination of the principles of assessment and treatment for special populations with a focus on the interacting processes of the sensory, behavioral, physical, and communicative systems. Grade Mode: Normal Grading Mode	3 Credit hours
CD 621 Seminar On Cleft Palate Intensive study of communication problems and treatment associated with the cleft palate; critical analysis of research literature; individual projects. Grade Mode: Normal Grading Mode	3 Credit hours	CD 670 Advanced Clinical Practicum I Supervised clinical practicum in the Marshall University Speech and Hearing Center and in affiliated educational, rehabilitation and medical settings with corresponding professional responsibilities. (PR: CD 571 or permission of instructor) Pre-req: CD 570. Co-req: CD 670L Attributes: No Textbook Required Grade Mode: Normal Grading Mode	3 Credit hours
CD 622 Phonological Disorders Advanced study of the phonological component of the linguistic system. Emphasis on phonological disorders in children; social dialects; critical analysis of literature. Grade Mode: Normal Grading Mode	3 Credit hours	CD 670L Clin ISS In Health Care This seminar will present principles related to clinical services in speech-language pathology in a variety of health care settings. Pre-req: CD 571L. Co-req: CD 670 Attributes: No Textbook Required Grade Mode: Credit/No Credit Grade Only	1-6 Credit hours
CD 623 Fluency Disorders Detailed evaluation of theories of fluency disorders and relevant therapies; critical analyses of research literature. Grade Mode: Normal Grading Mode	3 Credit hours		
CD 624 Foundations Neuro Comm Dis Study of the neurological bases of speech; etiologies and symptoms of dysarthrias and apraxias; principles of assessment and treatment. Grade Mode: Normal Grading Mode	3 Credit hours		

CD 674 Clin Pract in the Schools	1 Credit hour	CD 691 Dysphagia & Assoc Motor Sp Dis	1-4 Credit hours
This course is a supervised clinical practicum with school-aged children; fulfills student teaching requirements for West Virginia Certification as a Speech Language Pathologist. (PR: Permission of instructor)		The study of normal and disordered swallowing across the lifespan including assessment, treatment, and differential diagnosis of dysphagia and associated motor speech disorders; critical analysis of the literature. (PR: CD 624 or Permission of Instructor) Topics in Communication Disorders not covered in other courses; topics vary from semester to semester. (PR: Permission of Chair)	
Pre-req: CD 571.		Grade Mode: Normal Grading Mode	
Co-req: CD 674L		CD 692 Seminar	1-4 Credit hours
Attributes: No Textbook Required		Topics in Communication Disorders not covered in other courses; topics vary from semester to semester. (PR: Permission of Chair)	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
CD 674L Consideration in Public School	1 Credit hour	CD 693 Seminar	1-4 Credit hours
This lab/seminar will present special considerations related to providing services in speech-language pathology in the public school setting.		Topics in Communication Disorders not covered in other courses; topics vary from semester to semester. (PR: Permission of Chair)	
Pre-req: CD 571L.		Grade Mode: Normal Grading Mode	
Co-req: CD 674		Dietetics	
Attributes: No Textbook Required		DTS 580 Special Topics	1-4 Credit hours
Grade Mode: Credit/No Credit Grade Only		Grade Mode: Normal Grading Mode	
CD 675 Advanced Clin Pract II	1 Credit hour	DTS 581 Special Topics	1-4 Credit hours
This is the graduate clinical capstone experience which includes a supervised clinical practicum in the MUSHC and affiliated education, rehabilitation and medical settings. (PR: CD 670: Advanced Clinical Practicum I)		Grade Mode: Normal Grading Mode	
Pre-req: CD 674.		DTS 585 Independent Study	1-4 Credit hours
Co-req: CD 675L		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		DTS 586 Independent Study	1-4 Credit hours
CD 675L Prof Considerations	1 Credit hour	Grade Mode: Normal Grading Mode	
This lab corresponds with CD 675, the graduate clinical capstone and will provide a forum for students to solidify knowledge and skills for professional practice. (co-requisite to CD 675: Advanced Clinical Practicum II)		DTS 670 Adv Med Nutrition Therapy I	3 Credit hours
Pre-req: CD 674.		Pathophysiology, medical nutrition therapy, and current research of common and unique disease states and conditions.	
Co-req: CD 675		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		DTS 671 Sports Nutrition	3 Credit hours
CD 681 Thesis	1-6 Credit hours	An in-depth investigation of sports nutrition, with emphasis on nutrient functions and their roles in physical activity as well as nutrition counseling strategies for athletes.	
PR: Permission of chair.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		DTS 672 Diabetes & Nutrition Mngt	3 Credit hours
CD 685 Independent Study	1-4 Credit hours	In-depth investigation of diabetes mellitus, including disease state, types, diagnosis and treatment options, medications to treat, exercise, complications, and medical nutrition therapy and counseling strategies.	
PR: Permission of chair.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		DTS 673 Administrative Dietetics	3 Credit hours
CD 686 Independent Study	1-4 Credit hours	Overview of management/administrative concepts for directing resources within a variety of food and nutritional service/ programs. Planning, implementing, and evaluation techniques to measure organizational performance. Applied research in dietetics. (PR: Dietetic Internship Students or permission)	
PR: Permission of chair.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		DTS 674 Food Allergies & Intoler	3 Credit hours
CD 687 Independent Study	1-4 Credit hours	Advanced study of food allergies and intolerances and the roles of nutrition in food allergy prevention and lifestyle management.	
PR: Permission of chair.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		DTS 675 Dietetic Internship I	3 Credit hours
CD 688 Independent Study	1-4 Credit hours	Supervised practice experience focusing on the nutritional screening assessment and education of individuals and groups across the lifespan in a variety of community and long-term settings.	
PR: Permission of chair.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode			
CD 690 Seminar	1-4 Credit hours		
Topics in Communication Disorders not covered in other courses; topics vary from semester to semester. (PR: Permission of Chair)			
Attributes: No Textbook Required			
Grade Mode: Normal Grading Mode			

DTS 676 Dietetic Internship II	3 Credit hours	ESS 563 Professional Development	1-4 Credit hours
Supervised practice experience focusing on the procurement, production, distribution, and service within school and hospital based food service management systems.		Grade Mode: Credit/No Credit Grade Only	
Pre-req: DTS 675.		ESS 564 Professional Development	1-4 Credit hours
Grade Mode: Normal Grading Mode		Grade Mode: Credit/No Credit Grade Only	
DTS 677 Dietetic Internship III	3 Credit hours	ESS 569 Curriculum Development PE	3 Credit hours
Supervised practice experience focusing on skills required to become a dietitian in a clinical setting. Nutritional screening assessment and education of individuals with complex medical conditions will be emphasized.		Grade Mode: Normal Grading Mode	
Pre-req: DTS 676.		ESS 576 Theo Prac Aspect Coaching	3 Credit hours
Grade Mode: Normal Grading Mode		An in depth study of the principles and problems of coaching.	
DTS 679 Adv Med Nutrition Therapy II	3 Credit hours	Grade Mode: Normal Grading Mode	
The continued study of pathophysiology, medical nutrition therapy, and current research of common and unique disease states and conditions.		ESS 578 Exercise Metabolism	3 Credit hours
Pre-req: DTS 670.		Addresses the principles of sport nutrition and its effects on physiological systems, body composition, and human exercise performance.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
DTS 681 Thesis	1-6 Credit hours	ESS 580 Special Topics	1-4 Credit hours
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
DTS 690 Sem DTS Research Comm	1-4 Credit hours	ESS 581 Special Topics	1-4 Credit hours
Extensive reading and reports from current literature in selected areas of dietetics.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		ESS 582 Special Topics	1-4 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 583 Special Topics	1-4 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 585 Independent Study	1-4 Credit hours
		Attributes: No Textbook Required	
		Grade Mode: Normal Grading Mode	
		ESS 586 Independent Study	1-4 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 587 Independent Study	1-4 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 588 Independent Study	1-4 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 591 Worskhop in Physical Ed	1-3 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 592 Workshop in Physical Ed	1-3 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 593 Workshop in Physical Ed	1-3 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 594 Workshop in Physical Ed	1-3 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 600 Adv. Readings in Sports Ethics	3 Credit hours
		A critical analysis of and engagement with leading ethical thinking as applied to sport.	
		Grade Mode: Normal Grading Mode	
		ESS 601 Adv Exercise Testing	3 Credit hours
		Exercise testing techniques presented to determine the biological responses to exercise stress and to investigate the physiological limitations to human performance as it relates to disease and/or sport performance.	
		Grade Mode: Normal Grading Mode	
		ESS 608 Motor Learning & Perform	3 Credit hours
		Grade Mode: Normal Grading Mode	
		ESS 610 Phys Growth & Motor Devel	3 Credit hours
		Grade Mode: Normal Grading Mode	

Exercise Science and Sport

ESS 621 Adv Exercise Physiology I	3 Credit hours	ESS 645 Respir Exer Physiol	3 Credit hours
Topics would include bioenergetics, integration of metabolism, metabolic response to exercise, neuroendocrine control of metabolism during exercise, cardiovascular control and adaptation during exercise and respiratory control and adaptation during exercise.		Detailed study of the anatomy and physiology of the respiratory system and its response to acute and chronic exercise.	
Grade Mode: Normal Grading Mode		Pre-req: ESS 621 and ESS 623 and ESS 670.	
ESS 622 PE for Atypical Individ	3 Credit hours	Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		ESS 646 Neuro Exer Physiol/Plas	3 Credit hours
ESS 623 Adv Ex Phys II	3 Credit hours	This course is a detailed study of the structure and function of the neuromuscular system along with the etiology and functional consequences of numerous neuromuscular diseases.	
Addresses neuromuscular plasticity and physiological adaptations to environmental stimuli during exercise.		Pre-req: ESS 621 and ESS 623 and ESS 670.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
ESS 626 Hist & Phil PE & Sports	3 Credit hours	ESS 651 Mech Analysis Motor Skill	3 Credit hours
An investigation of historical events, political and social climates, and personalities as well as philosophies which have influenced physical education and sport from early civilizations to the present.		Analysis of motor skills through the application of the principles of physics.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
ESS 631 Perform Tech & Analysis	3 Credit hours	ESS 654 Contemp & Compar Phys Ed	3 Credit hours
Analysis of lead-up, intermediate and advanced techniques of a selected team, individual or dual sports. Emphasis given to mechanics of performance psychological stress components, psychological factors, strategies and teaching/coaching methodology.		A study of objectives, methods, personnel, facilities, and program uniqueness of the physical education of selected nations and world regions. National sport programs, international sport programs and competition, and international professional organizations are considered.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
ESS 632 Perform Tech & Analysis	3 Credit hours	ESS 660 Internship	3-6 Credit hours
Analysis of lead-up, intermediate and advanced techniques of a selected team, individual or dual sports. Emphasis given to mechanics of performance psychological stress components, psychological factors, strategies and teaching/coaching methodology.		Attributes: No Textbook Required	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
ESS 633 Perform Tech & Analysis	3 Credit hours	ESS 665 Adv Test & Measure Phy Ed	3 Credit hours
Analysis of lead-up, intermediate and advanced techniques of a selected team, individual or dual sports. Emphasis given to mechanics of performance psychological stress components, psychological factors, strategies and teaching/coaching methodology.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		ESS 670 Research Meth in Kinesiology	3 Credit hours
ESS 634 Perform Tech & Analysis	3 Credit hours	An examination of experimental research design, laboratory methods, construction of instruments, execution of research, and presentation of research papers with an emphasis on science.	
Analysis of lead-up, intermediate and advanced techniques of a selected team, individual or dual sports. Emphasis given to mechanics of performance psychological stress components, psychological factors, strategies and teaching/coaching methodology.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		ESS 681 Thesis	1-6 Credit hours
ESS 636 Structural Kinesiology	3 Credit hours	Attributes: No Textbook Required	
Instruction and laboratory experiences involving musculoskeletal anatomy and biomechanics as applied to human movement.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		ESS 682 Prev & Rehab Physiology	3 Credit hours
ESS 641 Theor/Factor Ath Perform	3 Credit hours	An examination of experimental research design, laboratory methods, construction of instruments, execution of research, and presentation of research papers with an emphasis on science.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
ESS 642 Devise Train & Cond Prog	3 Credit hours	ESS 683 Cardiovascular Assessment	3 Credit hours
Application of neuromuscular and physiological knowledge to the examination of the administration and content of existing exercise programs as well as the development of new programs.		Considers cardiovascular assessment strategies, including EKG interpretation, related medical profile variables, patient/client/athlete screening and risk stratification.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
ESS 644 Cardio Exer Physiol	3 Credit hours	ESS 685 Admin Prev Rehab Med Prog	3 Credit hours
Detailed study of the anatomy and physiology of the cardiovascular system and its response to acute and chronic exercise.		Grade Mode: Normal Grading Mode	
Pre-req: ESS 621.		ESS 686 Behav Asp Well Dis Rehab	3 Credit hours
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
		ESS 687 Cardiac Life Support	3 Credit hours
		Grade Mode: Normal Grading Mode	
		Health Professions	
		HP 605 The Role of EHR and PHR	3 Credit hours
		Students will be introduced to the main concepts and software applications of Electronic Health Records and Personal Health Records.	
		Grade Mode: Normal Grading Mode	

HP 610 Analytics for Healthcare 3 Credit hours

Data analytic tools useful in healthcare data analysis and healthcare administrative decision-making including health data analysis, visualization, and reporting techniques.

Grade Mode: Normal Grading Mode

HP 615 Health Quality and Safety 3 Credit hours

Provide an experience that will prepare students to work effectively in professional positions, and to bridge the learning gained in course work with the world of practice.

Grade Mode: Normal Grading Mode

HP 620 Legal Health & Informat 3 Credit hours

The course will introduce students to IT governance, health information ethic and legal requirements to improve health care processes, customer response and business competitiveness.

Grade Mode: Normal Grading Mode

HP 630 Research Methods and Data 3 Credit hours

The course will introduce a compendium of methods for evaluation of IT-based systems and solutions within health care. Students will acquire knowledge in research process.

Grade Mode: Normal Grading Mode

HP 650 Health Infor Practicum 3 Credit hours

Provide an experience to prepare students to work effectively in professional positions, and bridge the learning gained in course work with the world of practice.

Pre-req: HP 605 and HCA 656.

Attributes: No Textbook Required

Grade Mode: Normal Grading Mode

HP 686 Independent Study 1-4 Credit hours

Independent Study relates to projects that do not fall specifically within an individual department's curriculum.

Attributes: No Textbook Required

Grade Mode: Normal Grading Mode

HP 687 Independent Study 1-4 Credit hours

Independent Study relates to projects that do not fall specifically within an individual department's curriculum.

Grade Mode: Normal Grading Mode

HP 688 Independent Study 1-4 Credit hours

Independent Study relates to projects that do not fall specifically within an individual department's curriculum.

Grade Mode: Normal Grading Mode

Health Science**HS 505 Sport Psychology 3 Credit hours**

An examination of theory, research, and application of psychological principles related to sport and exercise.

Grade Mode: Normal Grading Mode

HS 512 Found Clinical Skills in AT 3 Credit hours

Taping, bracing, spine boarding, airway and oxygen administration, and other advanced emergency and practical care techniques used in athletic training. (PR: program admissions; CR: HS 522)

Grade Mode: Normal Grading Mode

HS 515 Ath Trng Clinical Exp I 1-3 Credit hours

To develop evaluation and treatment skills of the student under the direction of a BOC-certified Athletic Trainer. Requires completion of clinical hours and assigned competencies.

Grade Mode: Normal Grading Mode

HS 523 Ortho Assess Upper Extremity 4 Credit hours

Orthopedic evaluation techniques of the neck and upper extremity for the athletic trainer.

Grade Mode: Normal Grading Mode

HS 524 Ortho Assess Lower Extremity 4 Credit hours

Orthopedic evaluation techniques of the lower extremity for the athletic trainer.

Grade Mode: Normal Grading Mode

HS 525 Ath Trng Clinical Exp II 3 Credit hours

To continue developing athletic training evaluation and treatment skills under the direction of a BOC-certified Athletic trainer. (PR: grade of B or higher in HS 515 and 75 clinical hours)

Pre-req: HS 515.

Grade Mode: Normal Grading Mode

HS 535 Biomech Instrument MatLab 3 Credit hours

This course teaches students the skills to use biomechanical sensors as instruments for research, and the use of MatLab programming language to process the data they collect from their instruments.

Grade Mode: Normal Grading Mode

HS 548 Therapeutic Interventions I 4 Credit hours

Students in this course will be instructed in therapeutic modalities used in the initial stages of injury, and therapeutic exercise rehabilitation of the lower extremity and lumbar spine. Special emphasis is given to the decision making processes involved with modality and exercise selection and parameter adjustment based upon patient pathologic responses and desired patient outcomes.

Grade Mode: Normal Grading Mode

HS 549 Therapeutic Interventions II 4 Credit hours

Students in this course will be instructed in electrical stimulation modalities and therapeutic exercise rehabilitation of the upper extremity and cervical spine. Post surgical rehabilitation for both upper and lower extremities and the spine will be incorporated. Special emphasis is given to the decision making processes involved with modality and exercise selection and parameter adjustment based upon patient pathologic responses and desired patient outcomes.

Grade Mode: Normal Grading Mode

HS 560 Professional Development 1-4 Credit hours

Courses and activities designed to meet the specific inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrading if approved but not for degrees.

Grade Mode: Normal Grading Mode

HS 561 Professional Development 1-4 Credit hours

Courses and activities designed to meet the specific inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrading if approved but not for degrees.

Grade Mode: Normal Grading Mode

HS 562 Professional Development 1-4 Credit hours

Courses and activities designed to meet the specific inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrading if approved but not for degrees.

Grade Mode: Normal Grading Mode

HS 563 Professional Development	1-4 Credit hours	HS 595 Trends in Biomechanics 2	3 Credit hours
Courses and activities designed to meet the specific inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrading if approved but not for degrees.		The purpose of this course is to expose the student to the research process as it pertains to the field of biomechanics. This course is intended to continue the process started in HS 575.	
Grade Mode: Normal Grading Mode		Pre-req: HS 575.	
		Grade Mode: Normal Grading Mode	
HS 564 Professional Development	1-4 Credit hours	HS 609 Org & Admin Athletic Training	3 Credit hours
Courses and activities designed to meet the specific inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrading if approved but not for degrees.		This course will investigate current trends in administration and organization in the field of athletic training. Focus will be placed on current state/federal practice laws and the financial management of running an athletic training clinic.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
HS 565 Pathomechanics	3 Credit hours	HS 610 Adv Biomechanics	3 Credit hours
An investigation into normal and abnormal human movement patterns in sport, the workplace, and in activities of daily living.		An advance investigation into Newtonian mechanics and their application in their uses human movement analysis.	
Grade Mode: Normal Grading Mode		Pre-req: HS 566.	
		Grade Mode: Normal Grading Mode	
HS 566 Biomechanical Analysis	3 Credit hours	HS 615 Kinematic Analysis App Biomech	3 Credit hours
The purpose of the course is to provide an advanced study of biomechanical concepts and their application to human movement and sport skills.		This course entails a study of kinematics as it relates to the analysis of human movement involving the mechanical and anatomical characteristics of physical skills through the utilization of research equipment.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
HS 578 Biomech Research Pract	1-6 Credit hours	HS 620 Subst Abuse & the Athlete	3 Credit hours
This course offers "hands-on" work within the biomechanics lab. The student will assist with current research. This experience that allows students to gain practical experience within a lab setting.		Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		HS 623 Adv Medical Aspect Sports	3 Credit hours
		Emphasis on the development of skills in recognition of symptoms of illness, injuries and proper procedures of medical care.	
HS 580 Special Topics	1-4 Credit hours	Grade Mode: Normal Grading Mode	
Attributes: No Textbook Required		HS 625 Evidnce Base Prac Ther Elec Agt	3 Credit hours
Grade Mode: Normal Grading Mode		An in-depth understanding of therapeutic modalities with an emphasis on evidence based literature.	
HS 581 Special Topics	1-4 Credit hours	Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		HS 630 Seminar Athl Training	3 Credit hours
HS 582 Special Topics	1-4 Credit hours	A course designed to use scientific literature to enhance students preparation and knowledge of athletic training.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
HS 583 Special Topics	1-4 Credit hours	HS 634 Ath Trng Externship	3 Credit hours
Grade Mode: Normal Grading Mode		Approved externship supervised by a clinical preceptor. Requires 225 clinical hours that includes an immersion experience. (PR: HS 645, program permission)	
HS 584 Special Topics in Health	1-4 Credit hours	Pre-req: HS 645.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
HS 585 Independent Study	1-4 Credit hours	HS 635 Kinetics in Biomech	3 Credit hours
Grade Mode: Normal Grading Mode		Students will gain knowledge regarding biomechanics technologies to measure kinetics, acquire the skills to investigate forces and the human body, and learn how to process, analyze, and interpret kinetic data.	
HS 586 Independent Study	1-4 Credit hours	Grade Mode: Normal Grading Mode	
Grade Mode: Normal Grading Mode		HS 639 Exam of Gen Med Conditions	3 Credit hours
HS 587 Independent Study	1-4 Credit hours	A study of common general medical conditions and illnesses of physically active individuals and the proper methods of evaluating these complaints.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
HS 588 Independent Study	1-4 Credit hours		
Grade Mode: Normal Grading Mode			
HS 589 Independent Study	3 Credit hours		
Grade Mode: Normal Grading Mode			
HS 591 Workshop in Phys Ed	1-3 Credit hours		
Grade Mode: Normal Grading Mode			
HS 592 Workshop in Phys Ed	1-3 Credit hours		
Grade Mode: Normal Grading Mode			

HS 640 Health Eval for the Ath Trn 3 Credit hours

An indepth study of common problems and complaints of athletes and the proper method of evaluating those complaints.

Grade Mode: Normal Grading Mode

HS 645 Ath Trng Clinical Exp III 3 Credit hours

To continue developing athletic training evaluation and treatment skills under the direction of a BOC-certified athletic trainer and/or other qualified allied health professionals. (PR: grade of B or higher in HS 525 and 225 clinical hours)

Pre-req: HS 525.

Grade Mode: Normal Grading Mode

HS 646 Athletic Training I 3 Credit hours

Training in the diagnosis of injuries in athletics. The student will be expected to participate in diagnosis tech- niques under the supervision of a trainer.

Grade Mode: Normal Grading Mode

HS 647 Athletic Training II 3 Credit hours

Professional aspects of trainer-doctor and doctor-athlete relations will be taught and exploration of how to pro- fessionally handle injuries and cooperate with physicians.

Grade Mode: Normal Grading Mode

HS 650 Human Gait 3 Credit hours

An investigation into normal and abnormal human gait patterns in activities of daily living.

Pre-req: ESS 564 or HS 564.

Grade Mode: Normal Grading Mode

HS 655 Ath Trng Clinical Exp IV 3 Credit hours

Capstone clinical experience supervised by an MD, PT, PA, or ATC at an approved site. Requires 150 clinical hours. (PR: grade of B or higher in HS 645 and 225 clinical hours)

Pre-req: HS 645.

Grade Mode: Normal Grading Mode

HS 657 Adv Trn/Certs 1-3 Credit hours

This course allows the student to participate in advanced training and certification courses such as the Functional Movement Screening, Performance Enhancement Specialist, and others that may be offered each year.

Grade Mode: Normal Grading Mode

HS 660 Internship 3-6 Credit hours

Practical experince in a clinical setting.

Grade Mode: Normal Grading Mode

HS 679 Trends in Athletic Training 3 Credit hours

To investigate current trends with regard to evidence based practice, current practice position statements, and current research methods being utilized in athletic training.

Grade Mode: Normal Grading Mode

HS 680 Graduate Project in AT 3 Credit hours

This course involves supervised development of a one-semester scholarly, entrepreneurial or administrative project that synthesizes the student's educational and clinical experiences obtained while matriculating through the PMSAT program.

Pre-req: HS 655.

Co-req: HS 630, HS 634

Grade Mode: Normal Grading Mode

HS 681 Thesis 1-6 Credit hours

Grade Mode: Normal Grading Mode

Nursing**NUR 580 Special Topics 1-4 Credit hours**

Program of study not normally covered in other courses. Topics vary from semester to semester.

Grade Mode: Normal Grading Mode

NUR 581 Special Topics 1-4 Credit hours

Program of study not normally covered in other courses. Topics vary from semester to semester.

Grade Mode: Normal Grading Mode

NUR 582 Special Topics 1-4 Credit hours

Program of study not normally covered in other courses. Topics vary from semester to semester.

Grade Mode: Normal Grading Mode

NUR 583 Special Topics 1-4 Credit hours

Program of study not normally covered in other courses. Topics vary from semester to semester.

Grade Mode: Normal Grading Mode

NUR 584 Special Topics 1-4 Credit hours

Program of study not normally covered in other courses. Topics vary from semester to semester.

Grade Mode: Normal Grading Mode

NUR 585 Independent Study 1-4 Credit hours

Courses taught by tutorials; directed independent readings or research; problem reports, and other activities designed to fill needs of individual students.

Attributes: No Textbook Required

Grade Mode: Normal Grading Mode

NUR 586 Independent Study 1-4 Credit hours

Courses taught by tutorials; directed independent readings or research; problem reports, and other activities designed to fill needs of individual students.

Grade Mode: Normal Grading Mode

NUR 587 Independent Study 1-4 Credit hours

Courses taught by tutorials; directed independent readings or research; problem reports, and other activities designed to fill needs of individual students.

Grade Mode: Normal Grading Mode

NUR 588 Independent Study 1-4 Credit hours

Courses taught by tutorials; directed independent readings or research; problem reports, and other activities designed to fill needs of individual students.

Grade Mode: Normal Grading Mode

NUR 602 Theoretical Found in NUR 3 Credit hours

Provides students with opportunity to relate a philosophical and theoretical base to concepts and processes inherent in nursing. Emphasis is on analysis of nursing theories and their relationship and application to research and practice.

Grade Mode: Normal Grading Mode

NUR 604 Leadership in Nursing 3 Credit hours

Explores the theoretical basis for effective leadership in nursing. Emphasis is placed on analysis of leadership, characteristics and behaviors of leaders, and the role of the nurse leader.

Grade Mode: Normal Grading Mode

- NUR 606 Advanced Nursing Research** 3 Credit hours
Provides the opportunity to develop a research approach to nursing situations. Focus is upon the development of a research proposal. (PR or CR: NUR 602)
Pre-req: NUR 602.
Grade Mode: Normal Grading Mode
- NUR 608 Issues in Health Care** 3 Credit hours
Explores and evaluates concerns germane to contemporary nursing. Focus is upon the role of nursing in addressing health issues affected by social, economical, political and technological forces.
Grade Mode: Normal Grading Mode
- NUR 616 Curr Dev in Nursing** 3 Credit hours
Introduces the various components in the curriculum development process. Emphasis is on philosophy, objectives, curriculum designs and program evaluation. Factors influencing curriculum development implementing evaluation and nursing curriculum patterns are examined. (NUR 602)
Grade Mode: Normal Grading Mode
- NUR 618 Teaching in Nursing** 3 Credit hours
Investigates the responsibilities of the educator in contemporary nursing. Emphasis is upon the instructional process. Practicum allows student to practice the role of the teacher in a variety of educational experiences. (PR: NUR 616)
Grade Mode: Normal Grading Mode
- NUR 619 Practicum: Teach Nursing** 6 Credit hours
Guided experience in didactic teaching of nursing clinical teaching, supervision and evaluation of students. PRE: NUR 618
Pre-req: NUR 618 (may be taken concurrently) and NUR 606.
Concurrent PR: NUR 618
Grade Mode: Normal Grading Mode
- NUR 620 Adv Pathophysiology I** 2 Credit hours
Advanced knowledge of body systems altered by disease and/or injury. The body systems or diseases studied will include: cell, cardiovascular, pulmonary, digestive, musculoskeletal, neurologic and reproductive across the lifespan.
Grade Mode: Normal Grading Mode
- NUR 621 Adv Pathophysiology II** 2 Credit hours
Advanced knowledge of body systems altered by disease and/or injury including: hematologic, genes, immunity, cancer, endocrine, renal, urologic, and integumentary across the lifespan.
Pre-req: NUR 620.
Grade Mode: Normal Grading Mode
- NUR 622 Advanced Physical Assessment** 5 Credit hours
Introduction to knowledge and skills essential for comprehensive health assessments, analysis of data, formulation of diagnoses, development of the therapeutic plans and implementation of health promotion and maintenance activities. Practicum included. (PR or CR: NUR 602)
Grade Mode: Normal Grading Mode
- NUR 624 Adv Family Nursing Practice I** 5 Credit hours
Provides advanced knowledge of common and acute self-limiting health problems of individuals and families of various age groups. Includes pathology and therapeutic modalities related to specific health problems. Practicum included. (PR: NUR 622 CR: NUR 606)
Pre-req: NUR 622.
Grade Mode: Normal Grading Mode
- NUR 626 Adv Family Nursing III** 5 Credit hours
Provides advanced knowledge of chronic illness and the long-term management of health care problems. Includes pathology and therapeutic modalities related to management of chronic health problems. Practicum included. (PR: NUR 624)
Pre-req: NUR 624.
Grade Mode: Normal Grading Mode
- NUR 642 Org Dynamics in Nursing** 3 Credit hours
Focus is upon the organizational dynamics as they apply to the nurse manager in health care delivery systems.
Pre-req: NUR 604 (may be taken concurrently).
Concurrent PR: NUR 604
Grade Mode: Normal Grading Mode
- NUR 644 Financial Stra In Nur Adm** 3 Credit hours
Examines the financial management role of the nurse administrator in relation to economic, political, and societal trends.
Pre-req: NUR 606 (may be taken concurrently).
Concurrent PR: NUR 606
Grade Mode: Normal Grading Mode
- NUR 646 Nur Manage Health Care I** 6 Credit hours
Focuses on the application of theories and principles related to nursing management. Practicum included. (NUR 642, NUR 644).
Pre-req: NUR 606 and NUR 642 and NUR 644.
Grade Mode: Normal Grading Mode
- NUR 648 Nur Manage Health Care II** 6 Credit hours
Practicum focuses upon the application of the role components of the nurse manager in selected health care settings. (PR: 646).
Pre-req: NUR 646.
Grade Mode: Normal Grading Mode
- NUR 663 Advanced Pharmacology I** 2 Credit hours
Focus on the science of drugs and the application to patient care across the lifespan. Principles of pharmacology covered are: infectious diseases, fluids and electrolytes, peripheral nervous and cardiovascular systems.
Grade Mode: Normal Grading Mode
- NUR 664 Advanced Pharmacology II** 2 Credit hours
Focus is on the science of drugs and application to patient care across the lifespan. Drugs affecting the blood, respiratory, gastrointestinal, central nervous, endocrine system, anti-inflammatory, antiallergic and immunologic drugs.
Attributes: No Textbook Required
Grade Mode: Normal Grading Mode
- NUR 681 Thesis** 1-6 Credit hours
Individual research in a selected area of nursing under direction of a faculty member.
Pre-req: NUR 606.
Grade Mode: Normal Grading Mode
- NUR 695 Internship: Adv Family Nur** 6 Credit hours
Focus is upon the role of the family nurse practitioner using the case management approach in a supervised contractual work study arrangement with a health care agency. (450 hrs. minimum) (PR: NUR 626)
Pre-req: NUR 626.
Grade Mode: Normal Grading Mode

NUR 720 Adv Pharm Nurse Anes I 4 Credit hours

Study of general principles of pharmacology, pharmacokinetic, pharmacodynamic, and biochemistry concepts, as they relate to specific anesthetic and adjunct drugs. It will also emphasize integration of this information into clinical areas regarding anesthetic uses, dosages, and side effects of these classes of drugs.

Grade Mode: Normal Grading Mode

NUR 721 Adv Pharm Nurse Anesth II 3 Credit hours

This course is a continuation of Pharmacology I with an emphasis on drugs acting on the Autonomic Nervous System, local anesthetic agents, drugs for pain management, and cardiovascular drugs.

Grade Mode: Normal Grading Mode

NUR 735 Clinical Practice Inquiry 3 Credit hours

Integration of conceptual, theoretical, and empirical knowledge as a basis for evidence-based practice in nurse anesthesia. Examination of the processes required to develop best practice models through the systematic analysis of research.

Pre-req: NUR 741.

Grade Mode: Normal Grading Mode

NUR 741 Adv HC Prac/Phys As 6 Credit hours

The Introduction of Health Care Clinical Practicum provides the student with a beginning knowledge and proficiency in all phases of anesthetic management (pre-anesthesia, induction, maintenance, post-anesthesia)

Grade Mode: Credit/No Credit Grade Only

NUR 741-A Health Care Practicum 5 Credit hours

The Clinical Practicum prepares the student for the full scope of current practice and requires a minimum of 550 clinical cases including a variety of procedures, techniques, and speciality practice.

Pre-req: NUR 741.

Grade Mode: Normal Grading Mode

NUR 741-C Health Care Practicum 5 Credit hours

Continuation of MPNA 741-A

Pre-req: NUR 741-B.

Grade Mode: Normal Grading Mode

NUR 741A Health Care Clinical Practicum 1 Credit hour

The Clinical Practicum prepares the student for the full scope of current practice and requires a minimum of 550 clinical cases including a variety of procedures, techniques and speciality practice.

Pre-req: NUR 741.

Grade Mode: Credit/No Credit Grade Only

NUR 741B Nurse Anesth Prof Practice 3 Credit hours

Continuation of NUR 741.

Pre-req: NUR 741.

Grade Mode: Credit/No Credit Grade Only

NUR 741C Health Care Practicum 6 Credit hours

Continuation of NUR 741.

Pre-req: NUR 741.

Grade Mode: Credit/No Credit Grade Only

NUR 744 Regional Anesthesia 1 Credit hour

Continuation and conclusion of materials started in NUR 741.

Pre-req: NUR 741.

Grade Mode: Normal Grading Mode

Physical Therapy**PT 700 Gross Anatomy for PT 5 Credit hours**

Lecture and laboratory focusing on anatomical structure and function of the human body. Cadaveric dissection provides practical experiences allowing students to develop working images of the body and its function.

Grade Mode: Normal Grading Mode

PT 701 Neuroanatomy 4 Credit hours

Normal and abnormal structure and function of central, peripheral and autonomic systems, neurodevelopment, and neural mechanisms mediating motor control and pain with emphasis on clinical relevance to physical therapy.

Grade Mode: Normal Grading Mode

PT 702 Neuro Evaluation 1 Credit hour

Comprehensive screening, exam and evaluation of patients with neurological dysfunction with focus on selection and interpretation of examination components in order to discern underlying pathophysiology reflective of neurological dysfunction.

Grade Mode: Normal Grading Mode

PT 704 Neurorehabilitation 4 Credit hours

Theoretical basis and clinical application of neurophysiological approaches to treatment utilizing motor control, sensorimotor development and integration principles, including discussion and practice of current methods of evaluation and intervention.

Grade Mode: Normal Grading Mode

PT 710 Intro to Human Movement 3 Credit hours

Lecture and laboratory introducing students to basic histology of connective, nervous, epithelial and muscle tissue utilized in human movement, palpations skills, goniometry and manual muscle testing.

Grade Mode: Normal Grading Mode

PT 711 Human Movement I 4 Credit hours

Biomechanical terminology and principles, muscle actions, joint mechanics, joint segments and whole body movement pattern analysis, and mastery of human movement observational analysis skills necessary for differential diagnosis of movement dysfunction.

Grade Mode: Normal Grading Mode

PT 712 Human Movement II 4 Credit hours

Reviews maturation of movement systems, lifespan motor skills development, and contemporary theories of motor control and learning to build evidence-based foundations for evaluation and management of movement dysfunction.

Grade Mode: Normal Grading Mode

PT 713 Human Movement III 2 Credit hours

Assessment of constraints to normal movement, application of standardized tools for assessment of movement dysfunction, examination of statistical data (population specific reliability, validity, sensitivity, specificity, odds ratios) of said tools.

Grade Mode: Normal Grading Mode

PT 720 Advanced Clinical Physiology 3 Credit hours

Reviews normal human cellular- and organ-level physiology, histology, and function and introduces related topics of pathophysiology including: clinical signs and symptoms, clinical laboratory science, medical management and pharmacological issues.

Grade Mode: Normal Grading Mode

PT 721 Applied Ex Phys 3 Credit hours

Physiological effects of exercise and training in healthy individuals and individuals with pathological dysfunction.

Grade Mode: Normal Grading Mode

- PT 731 Clinical Skills** **3 Credit hours**
Theory/practice of essential physical therapy skills, including clinical decision making, interview, postural and functional assessment, safe patient handling techniques of positioning, bed mobility, transfers, and use of assistive devices.
Grade Mode: Normal Grading Mode
- PT 732 Therapeutic Interventions** **3 Credit hours**
This 3 credit hour course introduces students to teaching and learning principles through the application of physical, thermal, and mechanical modalities and therapeutic interventions. Therapeutic interventions include activities to improve joint and muscles.
Grade Mode: Normal Grading Mode
- PT 741 Medical Pathology in PT I** **2 Credit hours**
Pathological conditions, and medical and surgical considerations for treatment of genetic, gastrointestinal renal, endocrine and metabolic, immune, hematologic, and infectious disorders in patients treated by physical therapists.
Grade Mode: Normal Grading Mode
- PT 742 Medical Pathology in PT II** **2 Credit hours**
Pathological conditions, and medical and surgical considerations for treatment of musculoskeletal disorders in patients treated by physical therapists.
Grade Mode: Normal Grading Mode
- PT 744 Med Pathology in PT IV** **3 Credit hours**
This course reviews the functional neuroanatomy and neuropathology correlated with select neuropathological conditions or injury, focusing on etiology, epidemiology, medical/surgical considerations, neural substrates of cognitive, perceptual, and sensorimotor function in patients treated by physical therapists.
Grade Mode: Normal Grading Mode
- PT 746 Medical Tests and Measurements** **1 Credit hour**
Basic principles of medical diagnostic tests, such as laboratory tests, medical imaging, sonography and EKG, commonly encountered in physical therapy.
Grade Mode: Normal Grading Mode
- PT 747 Pharmacology in Rehab** **2 Credit hours**
Examination of the effects of commonly used prescription, over the counter and homeopathic drugs. Focus on method of action, indications, contraindications, side effects and impact on physical therapy patients.
Grade Mode: Normal Grading Mode
- PT 750 Foundations of Phys Ther** **2 Credit hours**
Introduces students to medical terminology, historical foundations, and contemporary practice of physical therapy, traditional and emerging roles and responsibilities and professional behaviors of the physical therapist and issues of self-awareness and communications.
Grade Mode: Normal Grading Mode
- PT 751 Legal & Ethical Issues in PT** **2 Credit hours**
Development of cultural competence, analysis and practice of communications skills including documentation, professionalism, group dynamics and leadership to assume roles of practitioner, instructor, supervisor, and leader.
Grade Mode: Normal Grading Mode
- PT 752 Professional Practice II** **2 Credit hours**
Introduction to legislative process, liability, and legal and ethical issues, including considerations of task delegation and supervision of patients/clients, physical therapist assistants, staff, and students.
Grade Mode: Normal Grading Mode
- PT 753 Professional Practice II** **2 Credit hours**
Teaching and learning principles, practitioner and clinical instructor roles, clinical education program, facility, faculty, and student responsibilities, clinical and program evaluative instruments, patient advocacy and preparation for community service opportunities.
Grade Mode: Normal Grading Mode
- PT 754 Health Care Delivery Systems** **1 Credit hour**
Micro and macro principles of healthcare delivery systems, sites, and organizations and pro bono services. Legalities of appropriate documentation for third party payers and federal insurance programs are addressed.
Grade Mode: Normal Grading Mode
- PT 755 Service Learning Practicum** **1 Credit hour**
Allows participation in service learning programs emphasizing advocacy for the health needs of the region, as well as coordination with community agencies.
Grade Mode: Pass/Fail Grading Mode
- PT 756 Administration in PT** **3 Credit hours**
Emphasis on administration of clinical practice in multiple settings. Information about licensure, attainment and retention of employment, professional organization membership, residency and fellowship programs, and specialization.
Grade Mode: Normal Grading Mode
- PT 758 PM&BC in PT Practice** **1 Credit hour**
Introduction to patient motivation and behavioral change in physical therapy practice. Emphasis on practical strategies to promote healthy patient/client change leading to improved human movement and overall health
Grade Mode: Normal Grading Mode
- PT 761 EBP I** **2 Credit hours**
Decision making, diagnosis, and hypothesis development, utilization of information sources, and principles, concepts, and skills required to critically analyze and conduct clinical research in physical therapy.
Grade Mode: Normal Grading Mode
- PT 762 EBP II** **1 Credit hour**
Principles, concepts, and basic skills required to conduct clinical research in physical therapy. Topics include research design, sampling, bias, sensitivity and specificity, questionnaire design, statistical computing, conceptual review of literature.
Grade Mode: Normal Grading Mode
- PT 763 EBP II** **2 Credit hours**
Students are guided through the process of a Systematic Literature Review development on a topic selected by the student and their Faculty Research Advisor and learn to apply principles of research to the clinical decision making process and to make recommendations for practice.
Grade Mode: Normal Grading Mode
- PT 764 EBP III** **1 Credit hour**
Continuation of Evidence Based Practice III where students receive continued guidance in the completion of the faculty led capstone project begun in EBP III. Presentation of capstone required before graduation.
Grade Mode: Normal Grading Mode

- PT 765 EBP IV** **1 Credit hour**
Continuation of Evidence Based Practice IV where students receive continued guidance in the completion of the faculty led capstone project begun in EBP III. Presentation of capstone required before graduation.
Attributes: No Textbook Required
Grade Mode: Normal Grading Mode
- PT 766 EBP V** **1 Credit hour**
Continuation of Evidence Based Practice V where students receive continued guidance in the completion of the faculty led capstone project begun in EBP III. Presentation of capstone required before graduation.
Grade Mode: Normal Grading Mode
- PT 767 EBP VI** **1 Credit hour**
Continuation of Evidence Based Practice VI where students receive continued guidance in the completion of the faculty led capstone project begun in EBP III culminating with presentation of completed capstone.
Attributes: No Textbook Required
Grade Mode: Normal Grading Mode
- PT 771 Clin Application Seminar I** **1 Credit hour**
A seminar course designed to foster application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on clinical interview and basic evaluation skills.
Grade Mode: Pass/Fail Grading Mode
- PT 772 Clin Application Seminar II** **1 Credit hour**
Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on general interventions in neuromuscular dysfunction.
Attributes: No Textbook Required
Grade Mode: Pass/Fail Grading Mode
- PT 773 Clin Application Seminar III** **1 Credit hour**
Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on musculoskeletal dysfunction of the extremities.
Grade Mode: Pass/Fail Grading Mode
- PT 774 Clin Application Seminar IV** **1 Credit hour**
Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on spinal pathology and neuromuscular dysfunction.
Grade Mode: Pass/Fail Grading Mode
- PT 775 Clin Application Seminar V** **1 Credit hour**
Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on cardiopulmonary and complex neuromuscular dysfunction.
Grade Mode: Pass/Fail Grading Mode
- PT 776 Clin Application Seminar VI** **1 Credit hour**
Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Interdisciplinary management of patients with complex concerns.
Grade Mode: Pass/Fail Grading Mode
- PT 777 Clin Application Seminar VII** **1 Credit hour**
Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on health promotion and chronic disease prevention.
Grade Mode: Pass/Fail Grading Mode
- PT 781 Musculoskeletal I** **3 Credit hours**
The basic principles of orthopedic medicine including an overview of etiology, diagnosis, and surgical management will be covered. Physical Therapy examination, evaluation, diagnosis, and treatment of extremities and spine will be emphasized.
Grade Mode: Normal Grading Mode
- PT 782 Musculoskeletal II** **4 Credit hours**
Advanced concepts of musculoskeletal examination, evaluation, diagnosis and treatment of the extremities and spine will be covered. An evidence-informed/clinical reasoning-based manual therapy approach will be used including mobilization and manipulation.
Grade Mode: Normal Grading Mode
- PT 783 Cardiopulmonary in PT** **4 Credit hours**
An overview of cardiovascular and pulmonary systems pathologies, medical diagnosis and management and physical therapy diagnosis, examination, assessment and management of related physiological and movement dysfunctions.
Grade Mode: Normal Grading Mode
- PT 784 Integumentary** **3 Credit hours**
Review of structure, function, and applied pathophysiology of the integumentary system. Translate knowledge towards PT examination and management of common integumentary impairments with focus on prevention, restoration, and optimizing independence.
Grade Mode: Normal Grading Mode
- PT 785 Health Promo and Nutrition** **2 Credit hours**
Development and maintenance of healthy lifestyles for patients and clients. Focus on disease prevention, nutritional needs, and the benefits of exercise as well as managing individuals with injury or disease.
Grade Mode: Normal Grading Mode
- PT 786 Rehab in Select Pops I** **3 Credit hours**
Principles of evaluation and treatment in the areas of pediatrics and geriatrics. Emphasis placed on biopsychosocial aspects of developmental disabilities, coordination of care and complexities of multi-system and multi-organ disease.
Grade Mode: Normal Grading Mode
- PT 787 Rehab in Select Pops II** **2 Credit hours**
Principles of evaluation and management of patients with amputation and/or neuromuscular disorders to maximize functional independence. Focus on prosthetic and orthotic prescription, components, fabrication, fit, and use during functional activities.
Grade Mode: Normal Grading Mode
- PT 788 Rehab in Select Pops III** **1 Credit hour**
Principles of physical therapy management of select patient populations including bariatrics, women's health, oncology, and selected progressive and chronic diseases.
Grade Mode: Normal Grading Mode

PT 789 MSK III	1 Credit hour	PH 611 Epidemiology	3 Credit hours
Advanced diagnosis and management approaches for complex orthopedic and sports PT populations will be covered. Differential diagnosis of upper and lower quarter pathology, along with specialized treatments unique to this population will be emphasized.		An introduction to basic concepts of including risk, study design, and analysis. Students apply these techniques to examine outbreaks, and evaluate preventives, diagnostics and treatments.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
PT 791 Clinical Internship I	4 Credit hours	PH 615 Health Sys Research	3 Credit hours
Supervised clinical education experience emphasizing continued development and reinforcement of clinical skills in clinical settings. Competence is expected in areas of the material presented to date in the curriculum.		An introduction to research in public health. Students examine prerequisites to successful study, as well as issues including funding, protocol design, data management, analysis, collaboration, and publication.	
Grade Mode: Pass/Fail Grading Mode		Co-req: PH 611, PH 621	
		Grade Mode: Normal Grading Mode	
PT 792 Clinical Internship II	6 Credit hours	PH 616 Clinical Trials	3 Credit hours
Supervised clinical education experience emphasizing continued development and reinforcement of clinical skills in various clinical settings. Competence is expected in areas of the material presented to date in the curriculum.		An examination of methods and issues in conducting clinical research. Includes critical aspects of study design, protocol development, recruitment and consent, and assessment of outcomes.	
Grade Mode: Pass/Fail Grading Mode		Pre-req: PH 611 and PH 621.	
		Grade Mode: Normal Grading Mode	
PT 793 Clinical Internship III	8 Credit hours	PH 617 Meth Comp Study	3 Credit hours
Supervised clinical education experience emphasizing continued development and reinforcement of clinical skills in various clinical settings. Competence is expected in areas of the material presented to date in the curriculum.		Examination of methods to determine the relative value of preventive, diagnostic and treatment alternatives for efficacy, cost, and practical application. Models include meta-analysis, comparative effectiveness trials, and data mining.	
Attributes: No Textbook Required		Pre-req: PH 611 and PH 621.	
Grade Mode: Pass/Fail Grading Mode		Grade Mode: Normal Grading Mode	
PT 798 Independent Study	1-4 Credit hours	PH 620 PH Issues	2 Credit hours
Independent study of a specific nature under the supervision of a qualified faculty member. Hours of credit are determined by the magnitude of the project. (PR: permission of Chair of School of Physical Therapy)		Provide practical situations and contemporary issues in public health where students apply knowledge and theoretical concepts from coursework, strengthen existing skills/analytic thinking, and apply public health core competencies.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
PT 799 Integration & Review	1 Credit hour	PH 621 Statistical Methods I	3 Credit hours
Integration and review of clinical physical therapy principles and concepts in preparation for the National Physical Therapy Board Examination.		Introduction to statistical principles and methods. Includes descriptive and inferential statistics. Students will gain experience in the use of SPSS software, and in the interpretation and communication of statistical tests.	
Grade Mode: Credit/No Credit Grade Only		Grade Mode: Normal Grading Mode	
Public Health			
PH 601 Intro Public Health	1 Credit hour	PH 622 Statistical Methods II	2 Credit hours
An introduction to public health, including its foundation and history, principles and characteristics of the discipline, professional roles, and individual career development and planning.		Examination of procedures including multiple linear and logistic regression, survival analysis, advanced non-parametric tests, repeated measures. Students gain experience in the use of SAS software for data management and analysis.	
Grade Mode: Normal Grading Mode		Pre-req: PH 621.	
		Grade Mode: Normal Grading Mode	
PH 602 Public Health Biology	2 Credit hours	PH 631 Environmental Health	2 Credit hours
Reviews biological bases of public health issues, including principles of disease development, including genetics, oncogenesis, and immunology. My be waived for those holding appropriate degree in biological or clinical sciences.		Introduction to environmental health principles, practices and policy. Students gain knowledge of the study, assessment, prevention and mitigation of exposures adversely affecting health.	
Grade Mode: Normal Grading Mode		Pre-req: PH 621.	
		Grade Mode: Normal Grading Mode	
PH 603 Intro to Rural Health	3 Credit hours	PH 641 Social Behavioral Aspects PH	2 Credit hours
Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.		Examination of the application of social and behavioral sciences in public health, with emphasis on behavioral theory and related mechanisms for effecting individual and group changes in health status.	
Grade Mode: Normal Grading Mode		Grade Mode: Normal Grading Mode	
PH 610 Intro to PH	2 Credit hours		
This course introduces students to the field of public health, how it works, and provides students with an opportunity to become familiar with essential concepts and resources in public health.			
Grade Mode: Normal Grading Mode			

- PH 642 Health Communications** **2 Credit hours**
Students learn methods to communicate health information effectively with disparate groups, develop communications strategies appropriate to diverse content and audiences, and gain skill in utilizing innovative interactive media.
Grade Mode: Normal Grading Mode
- PH 650 MPH Practicum** **6 Credit hours**
To provide students with opportunity to apply concepts and knowledge from the MPH curriculum and demonstrate competency in the public health practice setting.
Grade Mode: Credit/No Credit Grade Only
- PH 651 Public Health Services** **2 Credit hours**
An introduction to public health management, planning, implementation and evaluation. Students gain an integrated understanding of public health resources and their effective utilization to improve health.
Grade Mode: Normal Grading Mode
- PH 653 Rural Health Addiction** **2 Credit hours**
Introduction to the public health issues of, and interventions for, alcohol, tobacco, and drug addiction in the Appalachian region, with a special emphasis on opioid addiction and drug overdose.
Grade Mode: Normal Grading Mode
- PH 655 Intro Health Policy** **2 Credit hours**
An introduction to legal and policy foundations of U.S. health care, including its delivery, regulation and financing. Students develop skills in policy analysis and formulation, and learn principles of advocacy.
Grade Mode: Normal Grading Mode
- PH 656 Topics in Health Policy** **3 Credit hours**
A study of current issues of health policy, including major issues of health reform. Students apply their skills to formulate, package, and present their own health policy proposal.
Grade Mode: Normal Grading Mode
- PH 657 Public Health Prog Eval** **3 Credit hours**
This course deals with the application of research methods to evaluate public health programs and health services.
Pre-req: PH 621 with a minimum grade of D.
Grade Mode: Normal Grading Mode
- PH 660 Environmental PH** **3 Credit hours**
This graduate course provides students with a broad knowledge base of environmental public health science by addressing the significance of the environment on human health and wellness.
Grade Mode: Normal Grading Mode
- PH 661 Chronic Disease** **3 Credit hours**
Examination of major chronic diseases including mechanisms of development, risk, diagnosis and interventional strategies. Scope of the course includes cardiovascular, respiratory and neurodegenerative disorders, as well as diabetes and cancer.
Grade Mode: Normal Grading Mode
- PH 662 Control of Inf Disease** **3 Credit hours**
Examination of infectious diseases from a public health perspective, including strategies for prevention, treatment, control and eradication.
Pre-req: PH 611.
Grade Mode: Normal Grading Mode
- PH 663 Health Behavior** **3 Credit hours**
This course introduces students to the models of health behavior as it applies to public health.
Grade Mode: Normal Grading Mode
- PH 671 Community Health** **3 Credit hours**
Students learn how to facilitate programs and capacity building to enable communities to identify and address health issues. Students gain training in surveying and interviewing, and in health impact assessment.
Grade Mode: Normal Grading Mode
- PH 672 Global Health** **3 Credit hours**
An introduction to global health, including examination of disparities, development. The roles of governments, NGOs and citizens are examined; and students gain experience in issue analysis and developing health strategies.
Pre-req: PH 611.
Grade Mode: Normal Grading Mode
- PH 678 Principles Epi in PH** **3 Credit hours**
Basic epidemiology principles, concepts, and procedures useful in the surveillance and investigation of health-related states or events. It is designed for federal, state, local government and private sector health professionals responsible for disease control.
Grade Mode: Normal Grading Mode
- PH 686 Health Information Technology** **3 Credit hours**
An introduction to health information technology applications and issues, as well as the growing impact of advances in biotechnology on public health.
Grade Mode: Normal Grading Mode
- PH 689 Community Outreach Health** **3 Credit hours**
Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia.
Grade Mode: Normal Grading Mode
- PH 691 Health Promo & Disease Prevent** **3 Credit hours**
This graduate course provides students with a broad knowledge base of health promotion and disease prevention in public health.
Grade Mode: Normal Grading Mode
- PH 692 Seminar** **1 Credit hour**
Introduction to health science literature review and critique, as well as presentation of research and practicum reports.
Grade Mode: Normal Grading Mode
- PH 693 Law and Ethics** **3 Credit hours**
Introduction to the legal and ethical foundations of public health practice, including study of how individuals, practitioners, organizations and government address key issues.
Grade Mode: Normal Grading Mode
- PH 694 Practicum** **3 Credit hours**
Applied public health experience conducted under guidance of a faculty advisor and site preceptor, including a specific set of proposed project and learning objectives, and utilizing a community partner.
Pre-req: PH 611 and PH 621 and PH 641 and PH 686 and PH 693.
Attributes: No Textbook Required
Grade Mode: Credit/No Credit Grade Only
- PH 695 Research** **3 Credit hours**
Student research project, under guidance of the faculty advisor. Student project may include work towards thesis.
Pre-req: PH 611 and PH 621.
Grade Mode: Credit/No Credit Grade Only

SWK 642 Adv Social Research I**3 Credit hours**

This course introduces students to the philosophical and methodological issues of qualitative research. The course focuses on practicing various methods with the goal of producing a small qualitative study.

Grade Mode: Normal Grading Mode**SWK 643 Adv SW Research II****3 Credit hours**

Program and intervention development and evaluation research in health settings; issues and skill development in program design and methods for evaluation.

Grade Mode: Normal Grading Mode**SWK 650 Und Military Culture****3 Credit hours**

The purpose of this course is to train students to understand the military culture within which military families function. The course looks at stressors such as deployment, diversity of military family structures and a range of diversity filters which impact the military family and military culture.

Grade Mode: Normal Grading Mode**SWK 653 Adv Field Practicum****1-9 Credit hours**

This course provides concentration year students with an agency-based field instruction and classroom seminar for advanced learning and practice opportunities. The practicum takes place during the second semester of the concentration year.

Grade Mode: Credit/No Credit Grade Only**SWK 655 Comorb Ment & Phy Disorders****3 Credit hours**

The course focuses on behavioral health issues as related to prevention, assessment, treatment, and evaluation, and the effective implementation with all individuals to include military and military affiliated individuals, including veterans and their families.

Co-req: SWK 634**Grade Mode:** Normal Grading Mode**SWK 670 Adv Theory & Pract Child****3 Credit hours**

The course builds a framework for social work interventions using normative developmental supports and mental health case planning. Students will develop advanced clinical social work practice knowledge and skills for working with children and adolescents with mental health risks.

Grade Mode: Normal Grading Mode**SWK 673 Family & Community Violence****3 Credit hours**

This course provides content covering various types of violence through the lifespan. Specifically, child abuse, school violence, juvenile violence, family violence, workplace violence, and elder abuse will be analyzed and discussed. The course will consider the risk factors, current policies, practices and interventions with vulnerable populations.

Grade Mode: Normal Grading Mode**SWK 681 Suicidology****3 Credit hours**

The course explores concepts of suicide as a public health issue. The course provides students with an understanding of suicide language and evidenced based clinical practice techniques.

Grade Mode: Normal Grading Mode**SWK 682 Human Trafficking****3 Credit hours**

Human Trafficking is grounded in fundamental concepts related to trafficking of human beings. Multiple forms of human exploitation as well as implications for social policy and interventions are discussed.

Grade Mode: Normal Grading Mode**Sport Tourism and Hospitality Management****STHM 505 Sport Psychology****3 Credit hours**

An examination of theory, research, and application of psychological principles related to sport and exercise.

Grade Mode: Normal Grading Mode**STHM 511 Ethics in Sports****3 Credit hours**

A philosophical examination of both the fundamental ethical principles, as well as, the most common ethical dilemmas and controversies found in sports.

Grade Mode: Normal Grading Mode**STHM 516 Facility Design & Management****3 Credit hours**

This course covers quantity, location, and design standards for facilities. Includes safety, functionality, durability, and maintenance requirements in planning and design.

Grade Mode: Normal Grading Mode**STHM 525 Sport in Film****3 Credit hours**

The relationship between sports and feature motion pictures are analyzed in the historical, social and cultural contexts.

Grade Mode: Normal Grading Mode**STHM 530 Sport Law****3 Credit hours**

The study of the basic principles of the legal system as they operate in the environment of American sport.

Grade Mode: Normal Grading Mode**STHM 540 Women in Sport****3 Credit hours**

The history of women in sport, gender equity, opportunities for women in intercollegiate and professional sports (such as participant, coach, trainer, journalist, agent and promoter), and physiological perspectives.

Grade Mode: Normal Grading Mode**STHM 552 Sports Analytics****3 Credit hours**

By using various tools such as sport analytics, key performance indicators (KPI), balanced scorecard, and other techniques, this course focuses on exploring, identifying and solving problems using data.

Grade Mode: Normal Grading Mode**STHM 575 Sem Sport MGT MKT****3 Credit hours**

This course is designed to provide students with an overview of all aspects involved in the Sports Management and Marketing field through classroom lectures, guest speakers, and field trips.

Grade Mode: Normal Grading Mode**STHM 580 Special Topics****1-4 Credit hours**

Special topics are experimental courses that offered by the Sport, Tourism and Hospitality Management department.

Grade Mode: Normal Grading Mode**STHM 581 Special Topics****1-4 Credit hours**

Special topics are experimental courses that offered by the Sport, Tourism and Hospitality Management department.

Grade Mode: Normal Grading Mode**STHM 582 Special Topics****1-4 Credit hours**

Special topics are experimental courses that offered by the Sport, Tourism and Hospitality Management department.

Grade Mode: Normal Grading Mode**STHM 583 Special Topics****1-4 Credit hours**

Special topics are experimental courses that offered by the Sport, Tourism and Hospitality Management department.

Grade Mode: Normal Grading Mode

- STHM 596 Olympic Games** **3 Credit hours**
Exploring the important role of the Olympic Movement in politics since the modern Olympic Movement in 1896.
Grade Mode: Normal Grading Mode
- STHM 615 Legal Concerns in STHM** **3 Credit hours**
This course is designed to prepare students with the knowledge and the ability to apply the legal doctrines that will enhance their ability to problem-solve effectively and make prudent management and operational decisions.
Grade Mode: Normal Grading Mode
- STHM 624 Current Issues in STHM** **3 Credit hours**
An in-depth look at current issues affecting all areas of the Sport, Tourism and Hospitality Management field.
Grade Mode: Normal Grading Mode
- STHM 643 Sport in Social Process** **3 Credit hours**
An in depth analysis of the processes by which sport evolved as a significant component of modern American life.
Grade Mode: Normal Grading Mode
- STHM 652 Organ Behav Sprt Leis Indus** **3 Credit hours**
Examine the complexity of human behavior in organizational settings in sport and leisure industry, and the role of managers and leaders in affecting that behavior.
Grade Mode: Normal Grading Mode
- STHM 660 Internship** **3-6 Credit hours**
The placement of an individual into a Sport, Tourism and Hospitality agency to observe and participate in its operation.
Grade Mode: Normal Grading Mode
- STHM 671 Research in Sports Studies** **3 Credit hours**
This course provides student with a fundamental understanding of research principles, concepts, methods, techniques, and application related to sports studies.
Grade Mode: Normal Grading Mode
- STHM 674 Sport Finance Economics** **3 Credit hours**
This course will provide students with an understanding of financial and economic principles relevant to the sport industry. The course also provides a comprehensive coverage of current economic and financial issues confronting the sport industry.
Grade Mode: Normal Grading Mode
- STHM 675 MKT MGT of Sport Industry** **3 Credit hours**
Advanced level of marketing concepts in sports industry.
Pre-req: ESS 670 with a minimum grade of D or STHM 671 with a minimum grade of D.
Grade Mode: Normal Grading Mode
- STHM 681 Thesis** **1-6 Credit hours**
Research opportunities in the STHM field are broad. Students can choose to work with one of the faculty members on a research direction which the faculty and student choose.
Grade Mode: Normal Grading Mode
- STHM 685 Independent Study** **1-4 Credit hours**
Independent studies are tutorials, directed and independent readings, directed and independent research, problem reports, and other individualized activities which allow students to explore in depth a specific aspect.
Grade Mode: Normal Grading Mode
- STHM 686 Independent Study** **1-4 Credit hours**
Independent studies are tutorials, directed and independent readings, directed and independent research, problem reports, and other individualized activities which allow students to explore in depth a specific aspect.
Grade Mode: Normal Grading Mode
- STHM 687 Independent Study** **1-4 Credit hours**
Independent studies are tutorials, directed and independent readings, directed and independent research, problem reports, and other individualized activities which allow students to explore in depth a specific aspect.
Grade Mode: Normal Grading Mode
- STHM 688 Independent Study** **1-4 Credit hours**
Independent studies are tutorials, directed and independent readings, directed and independent research, problem reports, and other individualized activities which allow students to explore in depth a specific aspect.
Grade Mode: Normal Grading Mode
- STHM 696 Seminar in STHM** **3 Credit hours**
Course is designed to provide students with an overview to all aspects involved in the Sport, Tourism and Hospitality field through classroom lectures, guest speakers, and field trips.
Grade Mode: Normal Grading Mode