



**UNIVERSITY OF THE INCARNATE WORD - ATHLETIC TRAINING EDUCATION
COMPETENCY AND PROFICIENCY MATRIX (4TH EDITION)**

**COMPETENCIES AND PROFICIENCIES LISTED FOR
ATHP 3320 – THERAPEUTIC MODALITIES**

PATHOLOGY OF INJURIES AND ILLNESSES

Course(s) Taught	Course(s) Evaluated	
ATHP 3310 ATHP 3320 ATHP 3330	ATHP 3310	C4 - Identify the normal acute and chronic physiological and pathological responses (e.g. inflammation, immune response, and healing process) of the human body to trauma, hypoxia, microbiologic agents, genetic derangements, nutritional deficiencies, chemicals, drugs, and aging affecting the musculoskeletal and other organ systems, and musculoskeletal system adaptation to disease.

ACUTE CARE OF INJURIES AND ILLNESSES

Course(s) Taught	Course(s) Evaluated	
ATHP 1310 ATHP 3320	ATHP 3320 ATHP 2170	C17 - Explain the application principles of rest, cold application, elevation, and compression in the treatment of acute injuries.
XXXXXX	XXXXXX	C27 - Identify the signs, symptoms, possible causes, and proper management of the following:
ATHP 1310 ATHP 2301 ATHP 3310 ATHP 3320	ATHP 2301 ATHP 3320	C27.5 - Allergic, thermal and chemical reactions of the skin (including infestations and insect bites)

THERAPEUTIC MODALITIES

Course(s) Taught	Course(s) Evaluated	
ATHP 3310 ATHP 3320 ATHP 3330	ATHP 3320	C1 - Describe the physiological and pathological processes of trauma, wound healing and tissue repair and their implications on the selection and application of therapeutic modalities used in a treatment and/or rehabilitation program.
ATHP 3320	ATHP 3320	C2 - Explain the principles of physics, including basic concepts associated with the electromagnetic and acoustic spectra (e.g., frequency, wavelength) associated with therapeutic modalities.
ATHP 3320	ATHP 3320	C3 - Explain the terminology, principles, basic concepts, and properties of electric currents as they relate to therapeutic modalities.
ATHP 3320	ATHP 3320	C4 - Describe contemporary pain-control theories.
ATHP 3320 ATHP 2341	ATHP 3320	C5 - Describe the role and function of the common pharmacological agents that are used in conjunction with therapeutic modalities.
ATHP 3320	ATHP 3320	C6 - Explain the body's physiological responses during and following the application of therapeutic modalities.
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C7 - Describe the electrophysics, physical properties, biophysics, patient preparation and modality set-up (parameters), indications, contraindications, and specific physiological effects associated with commonly used therapeutic modalities.
ATHP 3120 ATHP 3320 ATHP 3330	ATHP 3120 ATHP 3320	C8 - Identify appropriate therapeutic modalities for the treatment and rehabilitation of injuries and illness.



**UNIVERSITY OF THE INCARNATE WORD - ATHLETIC TRAINING EDUCATION
COMPETENCY AND PROFICIENCY MATRIX (4TH EDITION)**

**COMPETENCIES AND PROFICIENCIES LISTED FOR
ATHP 3320 – THERAPEUTIC MODALITIES**

XXXXXX	XXXXXX	C9 - Describe the process/methods of assessing and reassessing the status of the patient using standard techniques and documentation strategies to determine appropriate treatment and rehabilitation and to evaluate readiness to return to the appropriate level of activity. This includes the ability to:
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C9.1 - Describe and interpret appropriate measurement and assessment procedures as they relate to the selection and application of therapeutic modalities
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C9.2 - Interpret objective measurement results as a basis for developing individualized therapeutic modality application and set-up (parameters)
ATHP 3310 ATHP 3320 ATHP 3120	ATHP 3320	C9.3 - Interpret the results of injury assessment and determine an appropriate therapeutic modality program to return the patient to physical activity
ATHP 3320 ATHP 3120	ATHP 3320	C9.4 - Determine the appropriate therapeutic modality program and appropriate therapeutic goals and objectives based on the initial assessment and frequent reassessments
ATHP 2315 ATHP 2320 ATHP 3320 ATHP 3120 ATHP 3330	ATHP 3330	C9.5 - Determine the criteria for progression and return to activity based on the level of functional outcomes
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C9.6 - Describe appropriate methods of assessing progress when using therapeutic modalities and interpret the results
ATHP 3320 ATHP 3330	ATHP 3320 ATHP 3330	C9.7 - Interpret physician notes, postoperative notes, and physician prescriptions as they pertain to a treatment plan
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C9.8 - Describe appropriate medical documentation for recording progress in a therapeutic modality program
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C10 - Identify manufacturers, institutional, state, and federal, standards for the operation and safe application of therapeutic modalities.
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120	C11 - Identify manufacturers, institutional, state, and federal guidelines for the inspection and maintenance of therapeutic modalities.
ATHP 3320 ATHP 3120	ATHP 3120 ATHP 4170	P1 - Assess patient to identify indications, contraindications, and precautions applicable to the application of therapeutic modalities.
ATHP 3320 ATHP 3120	ATHP 3120 ATHP 4170	P3 - Inspect the therapeutic modalities and treatment environment for potential safety hazards.
ATHP 3320	ATHP 3320 ATHP 3120 ATHP 4170	P5 - Select and apply appropriate therapeutic modalities according to evidence-based guidelines.
ATHP 3320 ATHP 3120	ATHP 3320 ATHP 3120 ATHP 4170	P6 - Document treatment goals, expectations, and treatment outcomes.



**UNIVERSITY OF THE INCARNATE WORD - ATHLETIC TRAINING EDUCATION
COMPETENCY AND PROFICIENCY MATRIX (4TH EDITION)**

**COMPETENCIES AND PROFICIENCIES LISTED FOR
ATHP 3320 – THERAPEUTIC MODALITIES**

XXXXXX	XXXXXX	CP1 - Synthesize information obtained in a patient interview and physical examination to determine the indications, contraindications and precautions for the selection, patient set-up, and evidence-based application of therapeutic modalities for acute and chronic injuries. The student will formulate a progressive treatment and rehabilitation plan and appropriately apply the modalities. Effective lines of communication should be established to elicit and convey information about the patient's status and the prescribed modality(s). While maintaining patient confidentiality, all aspects of the treatment plan should be documented using standardized record-keeping methods.
XXXXX	ATHP 3320 ATHP 3120 ATHP 3170 ATHP 4170 ATHP 4190	CP1.1 – Infrared modalities
XXXXX	ATHP 3320 ATHP 3120 ATHP 3170 ATHP 4170 ATHP 4190	CP1.2 – Electrical stimulation modalities
XXXXX	ATHP 3320 ATHP 3120 ATHP 3170 ATHP 4170 ATHP 4190	CP1.3 – Therapeutic ultrasound
XXXXX	ATHP 3320 ATHP 3120 ATHP 3170 ATHP 4170 ATHP 4190	CP1.4 – Mechanical modalities
XXXXX	ATHP 3320 ATHP 3120 ATHP 3170 ATHP 4170 ATHP 4190	CP1.5 – Massage and other manual techniques

CONDITIONING AND REHABILITATIVE EXERCISE

Course(s) Taught	Course(s) Evaluated	
ATHP 3320 ATHP 3330	ATHP 3330	C1 - Describe the physiological and pathological processes of trauma, wound healing and tissue repair and their implications on the development, progression and implementation of a therapeutic exercise program.
XXXXXX	XXXXXX	C7 - Describe the process/methods of assessing and reassessing the status of the patient using standard techniques and documentation strategies in order to determine appropriate treatment and rehabilitation plans and to evaluate the readiness to return to the appropriate level of activity. This includes the ability to:



**UNIVERSITY OF THE INCARNATE WORD - ATHLETIC TRAINING EDUCATION
COMPETENCY AND PROFICIENCY MATRIX (4TH EDITION)**

**COMPETENCIES AND PROFICIENCIES LISTED FOR
ATHP 3320 – THERAPEUTIC MODALITIES**

ATHP 2315 ATHP 2320 ATHP 3320 ATHP 3330	ATHP 3330 ATHP 4190	C7.3 - . Interpret the results of a physical assessment and determine an appropriate therapeutic exercise program to return the patient to physical activity
--	------------------------	--

PROFESSIONAL DEVELOPMENT AND RESPONSIBILITY

Course(s) Taught	Course(s) Evaluated	
PSYC 3384	ATHP 3320 ATHP 3330	C13 - Describe and differentiate the types of quantitative and qualitative research and describe the components and process of scientific research (including statistical decision-making) as it relates to athletic training research.
ATHP 3320 ATHP 3330	ATHP 3320 ATHP 3330	C14 - Interpret the current research in athletic training and other related medical and health areas and apply the results to the daily practice of athletic training.

UPDATED 12/16/2008