

El Monte Union High School District – Career Technical Education

7942 ADVANCED HEALTHCARE OPERATIONAL SUPPORT (SPORTS THERAPY)

DATE:

INDUSTRY SECTOR: Health Science and Medical Technology Sector

PATHWAY: Healthcare Operational Support

CALPADS TITLE: Advanced Healthcare Operational Support (Capstone)

CALPADS CODE: 7942

HOURS:

Total	Classroom	Laboratory/CC/CVE
180	140	40

JOB TITLE	O*NET CODE	JOB TITLE	O*NET CODE
Occupational Therapy Aides	31-2012.00	Massage Therapists	31-9011.00
Medical Equipment Preparers	31-9093.00	Physical Therapist Assistants	31-2021.00
Healthcare Support Workers, All Other	31-9099.00	Physical Therapist Aides	31-2022.00

COURSE DESCRIPTION:

This capstone course prepares students within a specific career in the various areas of healthcare Operational Support that will enable them to complete the requirements for licensure, certification, or other industry recognized credentials; or students are prepared to enter into postsecondary education or training programs in the selected Healthcare Operational Support pathway If applicable, course content will provide the knowledge and skills consistent with legislative requirements and the level or proficiency to perform skills within their identified scope of practice specific to employment.

A-G APPROVAL: No

ARTICULATION: None

DUAL ENROLLMENT: None

PREREQUISITES:

Prerequisite
Health Education and Careers
Medical Billing and Coding

METHODS OF INSTRUCTION

- Direct instruction
- Group and individual applied projects
- Multimedia
- Demonstration

STUDENT EVALUATION:

- Student projects
- Written work
- Exams
- Observation record of student performance
- Completion of assignment

INDUSTRY CERTIFICATION:

- Certified Athletic Trainer (ATC)
- Athletic Training Student Aide
- The Athletic Training Student (ATS)

RECOMMENDED TEXTS:

- Sports Therapy by

PROGRAM OF STUDY

Grade	Fall	Spring	Year	Course Type	Course Name
					7942 Advanced Healthcare Operational Support (Sports Therapy) (incomplete)

I.	INTRODUCTION TO SPORTS MEDICINE	CR	Lab/ CC	Standards
	<p>A.</p> <p>History of Sports Medicine</p> <p>1.2 Athletic Training from its Inception to Current Its purpose in society</p> <p>Levels of athletic training</p> <p>Job opportunities within the field</p> <p>Educational requirements to become an A.T.C. in NATA</p> <p>Functions of and benefits of NATA</p> <p>Observe an athletic trainers function</p> <p>1.3 Report on Physical Therapy from Inception to Current P.T. and its role in society</p> <p>requirements to become certified/ registered Physical Therapist</p> <p>1.4 Disciplines Involved in Sports Medicine</p> <p>Scope of practice for each career path</p> <p>Ethical obligation of each career path and consequences of violation</p> <p>Liability for health care and fitness professionals</p> <p>Patient confidentiality and consequences of violation</p>	6	0	<p>Academic:</p> <p>LS: 11-12.1, 11-12.2, 11-12.6</p> <p>RSIT: 11-12.9</p> <p>RLST: 11-12.8, 11-12.9</p> <p>WS: 11-12.6, 11-12.7, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.10, 11-12.8, 11-12.9</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2</p> <p>Technical Knowledge and Skills: 10.1, 10.2, 10.4</p> <p>CTE Pathway:</p> <p>D3.1</p>
II.	EMERGENCY PROCEDURES	CR	Lab/ CC	Standards
	<p>A.</p> <p>American Heart Association First Aid and CPR</p> <p>2.2 Blood borne pathogens (1Day)</p> <p>HIV/AIDS</p> <p>Hepatitis</p> <p>Universal precautions</p>	3	6	<p>Academic:</p> <p>LS: 11-12.1, 11-12.2</p> <p>RSIT: 11-12.6, 11-12.7, 11-12.8</p> <p>RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9</p> <p>WS: 11-12.6, 11-12.7, 11-12.8</p> <p>WHSST: 11-12.7, 11-12.8, 11-12.9</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Career Planning and Management: 3.1, 3.2</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3</p> <p>Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.5, 8.6</p>

				Technical Knowledge and Skills: 10.5 Demonstration and Application: 11.1, 11.2 CTE Pathway: D3.2, D3.3, D12.1, D12.2, D12.3, D12.4
III.	THE HUMAN BODY	CR	Lab/CC	Standards
	A. Anatomic Terms Including Planes, Directional Terms and Cavities Body Organization and Systems Homeostasis and Vital Signs	1	2	Academic: LS: 11-12.4, 11-12.5, 11-12.6 RSIT: 11-12.5, 11-12.6 RLST: 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.7, 11-12.8, 11-12.9 WHSST: 11-12.10, 11-12.6, 11-12.7, 11-12.8, 11-12.9 CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Career Planning and Management: 3.2, 3.4 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6 CTE Pathway: D6.4
IV.	CELL STRUCTURE AND FUNCTION	CR	Lab/CC	Standards
	A. Definition of a Cell 4.2 Anatomy of a Typical Cell Structure and function of organelles	2	2	Academic: LS: 11-12.1, 11-12.2, 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.1, 11-12.4, 11-12.5, 11-12.6, 11-12.7 RLST: 11-12.1, 11-12.2, 11-12.3, 11-12.4, 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.2, 11-12.2a, 11-12.2b, 11-12.2d, 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.4, 11-12.6, 11-12.8,

				11-12.9 PS: PS1, PS1.A, PS1.B, PS2.A, PS2 LS: LS1, LS1.A, LS1.B, LS1.C, LS1.D CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6 CTE Pathway: D4.5, D4.2, D10.1
V.	TISSUES	CR	Lab/ CC	Standards
	A. Unit 5 TISSUES 5.1 Function, Characteristics and Morphology of: Epithelial tissue Connective tissue Muscular tissue Nervous tissue 5.2 Tissue Response to Injury Response to trauma The injury cycle Healing and regeneration 3. Case study	3	0	Academic: LS: 11-12.3, 11-12.4, 11-12.5, 11-12.6 RSIT: 11-12.10, 11-12.7, 11-12.9 RLST: 11-12.6, 11-12.7, 11-12.8 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.6, 11-12.8, 11-12.9 LS: LS1.B, LS1.A CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Career Planning and Management: 3.1, 3.2, 3.3, 3.6, 3.8 Technology: 4.1 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6 CTE Pathway: D12.4, D12.3
VI.	INTEGUMENTARY SYSTEM	CR	Lab/ CC	Standards
	A. Anatomy of the Integumentary System Functions of the Integumentary System Disorders of the Integumentary System (cause, recognition and treatment/management) Cancer Dermatophytes	3	3	Academic: LS: 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.4, 11-12.6, 11-12.7 RLST: 11-12.4, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.6,

	<p>Psoriasis</p> <p>Human papilloma virus</p> <p>Type I herpes simplex</p> <p>Tinea pedis</p>			<p>11-12.6, 11-12.9</p> <p>WHSST: 11-12.6, 11-12.8, 11-12.9</p> <p>LS: LS1.B, LS1, LS4.D</p> <p>ETS: ETS2</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.6</p> <p>Responsibility and Flexibility: 7.4, 7.7</p> <p>Ethics and Legal Responsibilities: 8.1, 8.2, 8.4, 8.7</p> <p>Technical Knowledge and Skills: 10.1, 10.5</p> <p>Demonstration and Application: 11.2</p> <p>CTE Pathway:</p> <p>D12.2</p>
VII.	SKELETAL SYSTEM	CR	Lab/CC	Standards
	<p>A.</p> <p>Unit 7 SKELETAL SYSTEM</p> <p>7.1 Functions of the Skeletal System</p> <p>7.2 Bone Growth and Formation</p> <p>7.3 Histology of Bone</p> <p>7.4 Anatomy of a Typical Long Bone</p> <p>7.5 Classification of Bone Based on Shape</p> <p>7.6 Divisions of the Skeleton</p> <p>Identification of bones in the axial and appendicular skeleton</p> <p>7.7 Joints</p> <p>Classification and mechanics of joints</p> <p>7.8 Injuries to the skeletal system</p> <p>Fractures</p> <p>How bones heal</p> <p>Sprains</p> <p>Mechanism and classification of sprains and ligament injuries</p> <p>Arthritis</p> <p>Skeletal and joint injuries in sport</p> <p>Foot</p> <p>Ankle</p>	13	7	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.7, 11-12.9</p> <p>RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.9</p> <p>WS: 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.6, 11-12.8, 11-12.9</p> <p>PS: PS2, PS2.A</p> <p>LS: LS1, LS1.B, LS1.A</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.7, 2.8</p> <p>Technology: 4.1, 4.2</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6</p> <p>Technical Knowledge and Skills: 10.1, 10.4, 10.5</p> <p>CTE Pathway:</p> <p>D2.1, D3.6, D3.2,</p>

	Knee Hip Hand Elbow/forearm Shoulder			D3.3, D5.1
VIII.	THE MUSCULAR SYSTEM	CR	Lab/ CC	Standards
	A. Function of Muscular System 8.2 Types and Anatomy of Muscle Tissue Smooth/visceral Striated/skeletal Cardiac 8.3 Physiology of Muscular Contraction Sliding filament theory Muscle twitch Muscle tone 8.4 Muscle Identification Muscle name Function Location Origin/insertion 8.5 Muscle Injuries in Sport Foot, ankle and lower leg Knee/thigh Hip/groin Wrist/hand Elbow/forearm Shoulder Back	20	6	Academic: LS: 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.4, 11-12.5, 11-12.7 RLST: 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.6, 11-12.8, 11-12.9 PS: PS1.A, PS1.B LS: LS1, LS1.A, LS1.B, LS1.C, LS1.D CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Career Planning and Management: 3.1, 3.2, 3.3, 3.5, 3.6 Technical Knowledge and Skills: 10.4 CTE Pathway: D3.2, D3.3, D3.1
IX.	NERVOUS SYSTEM AND SPINAL CORD	CR	Lab/ CC	Standards
	A. Function of the Nervous System 9.2 Organization of Nervous System Central/peripheral nervous system Afferent/efferent nerves Somatic/autonomic nervous system Sympathetic/parasympathetic nervous system 9.3The Nerve and Nerve Impulses 9.4 Spinal Cord and Spinal Nerves Function and anatomy Iniuries to:	6	4	Academic: LS: 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.6, 11-12.7 RLST: 11-12.5, 11-12.6, 11-12.8, 11-12.9 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.10, 11-12.8, 11-12.9 CTE Anchor: Communications:

	<p>injuries to:</p> <p>Spinal cord</p> <p>Brachial plexis</p>			<p>2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.5, 5.6</p> <p>CTE Pathway: D6.4</p>
X.	NERVOUS SYSTEM AND THE BRAIN	CR	Lab/CC	Standards
	<p>A.</p> <p>Anatomy and Function of the Brain</p> <p>10.2 Cranial Nerves</p> <p>10.3 Injuries to the Brain</p> <p>Concussion</p> <p>Second impact syndrome</p> <p>Post-concussion syndrome</p>	2	4	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.7</p> <p>RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.9</p> <p>WS: 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.6, 11-12.8, 11-12.9</p> <p>LS: LS1.B, LS1.A, LS1</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6</p> <p>CTE Pathway: D3.2, D6.4</p>
XI.	THE CARDIOVASCULAR SYSTEM	CR	Lab/CC	Standards
	<p>A.</p> <p>Anatomy of the Heart and Circulatory System</p> <p>11.2 functions of the Heart and Circulatory System</p> <p>Blood pressure</p> <p>Heart rate</p> <p>11.3 Describe Cardiovascular Exercise and its Conditioning Parameters</p>	4	8	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.6, 11-12.7</p> <p>RLST: 11-12.4, 11-12.5, 11-12.6, 11-12.7, 11-12.9</p> <p>WS: 11-12.4, 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.5, 11-12.6, 11-12.8, 11-12.9</p> <p>PS: PS1.B</p> <p>LS: LS1, LS1.A, LS1.C, LS1.B</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Career Planning and Management:</p>

				3.1, 3.2, 3.3, 3.4 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.4, 8.7 Technical Knowledge and Skills: 10.1, 10.4, 10.5 CTE Pathway: D6.4, D6.3, D7.5, D7.7, D8.2, D8.3, D8.5, D12.3, D12.2
XII.	RESPIRATORY SYSTEM	CR	Lab/CC	Standards
	A. Purpose OF the Respiratory System 12.2 Anatomy and Function of the Upper Respiratory System 12.3 Anatomy and Function of the Lungs 12.4 Process of Ventilation 12.5 Process of Respiration (external, internal and cellular) 12.6 Diseases/Abnormal Conditions 12.7 Recognition and Treatment/Management of: Pneumothorax Hemothorax	2	0	Academic: LS: 11-12.3, 11-12.4, 11-12.5, 11-12.6 RSIT: 11-12.6, 11-12.8, 11-12.9 RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.6, 11-12.8, 11-12.9 PS: PS1, PS1.B, PS1.A, PS3.D, PS3.C LS: LS1.A, LS1.B, LS1.D, LS1 CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4 Technical Knowledge and Skills: 10.1, 10.2, 10.5 CTE Pathway: D6.2
XIII.	LYMPHATIC SYSTEM	CR	Lab/CC	Standards

	<p>A.</p> <p>Function of the System and the Structure and Functions of the Lymphatic Vessels</p> <p>13.2 Immune Response</p> <p>13.3 Organs of the Lymphatic System</p> <p>13.4 Recognition and Management of Injury to the Spleen</p>	1	0	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.7, 11-12.8, 11-12.9</p> <p>RLST: 11-12.4, 11-12.6, 11-12.7, 11-12.9</p> <p>WS: 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.6, 11-12.8, 11-12.9</p> <p>PS: PS1.A, PS1.B, PS1</p> <p>LS: LS1.B, LS1.A</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6</p> <p>CTE Pathway:</p> <p>D6.2, D6.1, D6.4</p>
XIV.	NUTRITION AND THE DIGESTIVE SYSTEM	CR	Lab/CC	Standards
	<p>A.</p> <p>Unit 14 NUTRITION AND THE DIGESTIVE SYSTEM</p> <p>14.1 Purpose of the Digestive System</p> <p>14.2 Anatomy and Function of the Digestive System</p> <p>14.3 Recognition and Management of Abdominal Injuries in Sports</p> <p>14.4 Essential Nutrients</p> <p>Function</p> <p>RDA for essential nutrients during various stages in life</p> <p>Where to obtain essential nutrients</p>	4	5	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.7</p> <p>RLST: 11-12.6, 11-12.7, 11-12.8, 11-12.9</p> <p>WS: 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.6, 11-12.8, 11-12.9</p> <p>PS: PS1, PS1.B, PS1.A, PS3, PS3.D</p> <p>LS: LS1.A, LS1.B, LS1.C, LS1, LS1.D, LS4.D, LS4</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6</p> <p>Ethics and Legal Responsibilities: 8.3</p> <p>Demonstration and Application: 11.2, 11.4</p> <p>CTE Pathway:</p>

XV.	INJURY IDENTIFICATION	CR	Lab/ CC	Standards
	<p>A.</p> <p>Unit 15 INJURY IDENTIFICATION</p> <p>15.1 Proper Injury Identification, Evaluation, and Information Gathering Process.</p> <p>15.2 Characteristics of Sprains and Strains to Various Joints of the Body, the recognition of the Different Degrees, and Care for Each</p> <p>15.3 Proper Care of Blisters and Open Wounds</p> <p>15.4 Differences in Theory and Techniques in the Workplace</p> <p>15.5 Characteristics of Specific Chronic Conditions, Care and Preventative Techniques Used to Limit Recurrence</p> <p>15.6 Write Report on Physical Conditioning, De-conditioning, and How That Information Relates to Specific Population Groups</p>	4	8	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.6, 11-12.7</p> <p>RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9</p> <p>WS: 11-12.4, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.4, 11-12.6, 11-12.8, 11-12.9</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6</p> <p>Health and Safety: 6.2, 6.3, 6.4, 6.5, 6.6, 6.8</p> <p>Responsibility and Flexibility: 7.4, 7.5, 7.6, 7.7</p> <p>Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.7</p> <p>Leadership and Teamwork: 9.3, 9.4, 9.7</p> <p>Technical Knowledge and Skills: 10.1, 10.2, 10.3, 10.4, 10.5</p> <p>Demonstration and Application: 11.2</p> <p>CTE Pathway:</p> <p>D4.1, D4.2, D4.4, D4.11, D4.6, D4.5, D4.3, D6.2, D6.4, D6.1, D7.1</p>
XVI.	KINESIOLOGY	CR	Lab/ CC	Standards
	<p>A.</p> <p>Basic Kinesiology as it Pertains to Athletic Performance and Injury Rehabilitation</p> <p>16.2 Write Report on Basic Biomechanic Principles as they relate to Athletic Performance and Injury Rehabilitation</p>	1	2	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.6</p> <p>RSIT: 11-12.5</p> <p>RLST: 11-12.4, 11-12.6, 11-12.8, 11-12.9</p> <p>WS: 11-12.4, 11-12.6, 11-12.8, 11-12.9</p>

				<p>WHSST: 11-12.10, 11-12.6, 11-12.8, 11-12.9</p> <p>PS: PS2, PS2.A, PS3.D, PS3.A, PS3.C, PS3</p> <p>LS: LS1, LS1.C, LS1.D, LS1.A, LS1.B</p> <p>ETS: ETS2, ETS2.A, ETS2.B</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Career Planning and Management: 3.1, 3.2, 3.9</p> <p>Technology: 4.1, 4.3, 4.4, 4.5, 4.6</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6</p> <p>Demonstration and Application: 11.2</p> <p>CTE Pathway:</p> <p>D1.2, D2.3, D3.1</p>
XVII.	ATHLETIC TRAINING ROOM MANAGEMENT	CR	Lab/CC	Standards
	<p>A. The Pre-participation Screening Exam and its Importance in Athletic Participation Schedule, set up and coordinate a pre-participation screening</p> <p>Demonstrate Proper Equipment Maintenance, Cleaning, and Other Procedures Used in Athletic Training Rooms</p>	2	1	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5</p> <p>RSIT: 11-12.5, 11-12.6, 11-12.7</p> <p>RLST: 11-12.5, 11-12.6, 11-12.8, 11-12.9</p> <p>WS: 11-12.2e, 11-12.2d, 11-12.2c, 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.5, 11-12.6, 11-12.8, 11-12.9</p> <p>PS: PS2.A, PS2, PS2.C, PS3.A, PS3.C, PS3.D, PS3</p> <p>LS: LS1, LS1.A, LS1.B, LS1.D, LS1.C</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2,</p>

				5.3, 5.4, 5.5, 5.6 Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7 Leadership and Teamwork: 9.3, 9.4 Technical Knowledge and Skills: 10.1, 10.2, 10.4 Demonstration and Application: 11.2 CTE Pathway: D3.1, D3.2, D3.6, D3.3, D3.4, D3.5, D4.1, D4.2, D4.4, D4.3, D4.5, D4.9, D4.6, D4.11, D7.1, D7.2, D7.6, D7.5, D7.3, D7.4, D7.8, D7.9, D7.10, D7.7, D7.11, D8.1, D8.2, D8.4, D8.3, D9.1, D9.9, D9.2, D9.4, D9.5
XVIII.	EQUIPMENT FITTING	CR	Lab/CC	Standards
	A. Describe the Function, Selection and Use of Helmets Fit forearm helmets on different individuals 18.2 Describe Function, Selection and Use of Different Types of Shoulder Pads Fit specific shoulder pads to individuals 18.3 Describe the Use of Special Pads and Braces, Their Functions, and Rules Governing Their Use in Athletic Competition	2	1	Academic: LS: 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.4, 11-12.5, 11-12.6 RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.10, 11-12.6, 11-12.8, 11-12.9 PS: PS1, PS1.B, PS1.A, PS2, PS2.C, PS2.A LS: LS1.A, LS1.B, LS1.C, LS1, LS1.D CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Career Planning and Management: 3.1, 3.2, 3.4, 3.9 Technology: 4.1, 4.5, 4.6 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 Health and Safety:

				6.4, 6.5, 6.6, 6.7, 6.8 Responsibility and Flexibility: 7.1, 7.2, 7.3 Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7 Leadership and Teamwork: 9.4, 9.6, 9.7 Technical Knowledge and Skills: 10.1, 10.2, 10.4, 10.5 Demonstration and Application: 11.2 CTE Pathway: D2.5, D2.7, D2.8, D2.3, D2.2, D3.1, D3.6, D3.4, D3.5, D3.2, D3.3, D4.2, D4.4, D4.5, D4.11, D4.10, D5.4, D5.6, D7.4, D7.5, D7.6, D7.7, D7.2, D7.1, D7.11, D7.10, D7.8, D8.1, D8.2, D8.5, D8.3, D8.4, D12.2, D12.3, D12.4
XIX.	TAPING AND WRAPPING	CR	Lab/CC	Standards
	A. Unit 19 TAPING AND WRAPPING 19.1 Various Types of athletic Tape and Bandages to Provide Support and Proper Care for Specific Injury 19.2 Apply Athletic Tape or Bandages To ankles of athletes involved in precise and competitive settings For specific knee injuries For specific shoulder injuries For specific elbow, wrist, hand, and finger injuries	3	6	Academic: LS: 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.6, 11-12.7, 11-12.8, 11-12.9 RLST: 11-12.4, 11-12.5, 11-12.6, 11-12.8, 11-12.9 WS: 11-12.4, 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.10, 11-12.6, 11-12.8, 11-12.9 CTE Anchor: Responsibility and Flexibility: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7 CTE Pathway: D4.5, D4.2, D6.1, D6.2, D6.3, D6.4, D7.1, D7.7, D7.8, D7.5, D7.6, D7.3, D7.4, D7.11, D7.9,

D7.10, D8.2, D8.3,
D8.4, D8.5, D9.1,
D9.2, D9.4, D9.5,
D9.7

XX.	MANUAL TREATMENTS	CR	Lab/ CC	Standards
	<p>A.</p> <p>Describe the Roles and Responsibilities of P.T. Aides and Manual Treatments Utilized in the Clinical Setting</p> <p>20.2 Describe Cryotherapy, its Indications, contraindications, and Patient Responses to it</p> <p>20.3 Describe Massage and its Use in the Clinic</p> <p>20.4 Discuss Massage, its Indications, Contraindications, and Patient Responses to it</p>	3	6	<p>Academic:</p> <p>LS: 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.6, 11-12.8, 11-12.9 RLST: 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.6, 11-12.8, 11-12.9 PS: PS1, PS1.B, PS1.A, PS2.A, PS2, PS2.C, PS3.A, PS3.C, PS3.D, PS3, PS4, PS4.C LS: LS1.A, LS1.B, LS1.C, LS1.D, LS1</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Technology: 4.1, 4.2, 4.3, 4.4, 4.5 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 Health and Safety: 6.1, 6.2, 6.3, 6.5, 6.6, 6.7, 6.8 Responsibility and Flexibility: 7.3, 7.4, 7.5, 7.6, 7.7 Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.4, 8.5, 8.7 Leadership and Teamwork: 9.5, 9.6, 9.7 Technical Knowledge and Skills: 10.1, 10.2, 10.4, 10.5 Demonstration and Application: 11.2, 11.4</p> <p>CTE Pathway:</p> <p>D3.3, D3.1, D3.2, D4.2, D4.3, D4.6, D4.5, D4.10,</p>

XXI.	ELECTRICAL MODALITIES	CR	Lab/ CC	Standards
	<p>A.</p> <p>Describe the Roles and responsibilities of a Physical Therapy Aide in Regard to Electrical Modalities Used in the Clinical Setting</p> <p>21.2 Describe Electrical Modalities and the Safety Procedures Specific the Each</p> <p>21.3 Report on the use of Moist Heat and its Indications, Contra-indications, and Patient Responses to it</p> <p>21.4 Report on the use of Ultrasound and its Indications, Contra-indications, and Patient Responses to it</p>	2	4	<p>Academic:</p> <p>LS: 11-12.1, 11-12.2, 11-12.3, 11-12.4</p> <p>RSIT: 11-12.1, 11-12.4, 11-12.5, 11-12.6, 11-12.7</p> <p>RLST: 11-12.1, 11-12.2, 11-12.3, 11-12.4, 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9</p> <p>WS: 11-12.2c, 11-12.4, 11-12.6, 11-12.8, 11-12.9</p> <p>WHSST: 11-12.2, 11-12.4, 11-12.6, 11-12.8, 11-12.9</p> <p>LS: LS1, LS1.C, LS1.B, LS1.A, LS1.D</p> <p>ETS: ETS2.A, ETS2</p> <p>CTE Anchor:</p> <p>Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8</p> <p>Technology: 4.1, 4.4, 4.5</p> <p>Problem Solving and Critical Thinking: 5.1, 5.2, 5.4, 5.6</p> <p>Health and Safety: 6.4, 6.6, 6.7, 6.8</p> <p>Responsibility and Flexibility: 7.2, 7.3, 7.4</p> <p>Technical Knowledge and Skills: 10.1, 10.2, 10.5</p> <p>Demonstration and Application: 11.2</p> <p>CTE Pathway:</p> <p>D3.3, D3.4, D3.1, D3.2, D4.3, D7.5, D7.1</p>
XXII.	REHABILITATIVE EXERCISES	CR	Lab/ CC	Standards
	<p>Discuss the Use of Manual resistance Exercises, Their Proper Application, Progression, and Indication for Use</p> <p>22.2 In Teams, Demonstrate Rehabilitative Exercises and Their Use in</p>	3	6	<p>Academic:</p> <p>LS: 11-12.1, 11-12.2, 11-12.3, 11-12.4</p> <p>RSIT: 11-12.1, 11-12.4, 11-12.5,</p>

	<p>the Clinical Setting and Administer Manual Exercise Techniques</p> <p>22.3 Discuss the Use of Mechanical Resistance Exercises and Their Use in Patient Care in the Clinical Setting</p>			<p>11-12.6 RLST: 11-12.1, 11-12.2, 11-12.3, 11-12.4, 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.10, 11-12.6, 11-12.8, 11-12.9 PS: PS1, PS1.A, PS1.B, PS2, PS2.A, PS2.C LS: LS1.A, LS1.B, LS1.C, LS1.D, LS1</p> <p>CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Problem Solving and Critical Thinking: 5.1, 5.2, 5.4 Health and Safety: 6.3, 6.5, 6.6 Ethics and Legal Responsibilities: 8.7 Leadership and Teamwork: 9.1 Technical Knowledge and Skills: 10.4 Demonstration and Application: 11.1, 11.2</p> <p>CTE Pathway: D2.5, D2.1, D3.2, D3.1, D3.3, D6.4, D6.2, D7.5, D8.2</p>
XXIII. AEROBIC EXERCISE		CR	Lab/CC	Standards
	<p>A</p> <p>Create Personal evaluation of Physical Status, Including: Fitness Level, Limitations, THR, and Plan Development (</p> <p>23.2 Prepare Facility to Include the Following: Spring Floor, Excellent Ventilations, Mirrored Wall</p> <p>23.3 Establish Individual Pacing and the Determining Factors for Pace</p>	2	3	<p>Academic: LS: 11-12.1, 11-12.2, 11-12.3, 11-12.4 RSIT: 11-12.1, 11-12.4, 11-12.5, 11-12.6 RLST: 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.4, 11-12.6, 11-12.8, 11-12.9 WHSST: 11-12.5, 11-12.6, 11-12.8, 11-12.9 PS: PS1, PS1.A,</p>

PS1.B, PS2.A,
 PS2, PS2.C
 LS: LS1.A, LS1.C,
 LS1.B, LS1, LS1.D

CTE Anchor:
 Communications:
 2.1, 2.2, 2.3, 2.4,
 2.5, 2.6, 2.7, 2.8
 Technology: 4.1,
 4.3, 4.4, 4.5, 4.6
 Problem Solving
 and Critical
 Thinking: 5.1, 5.2,
 5.3, 5.4, 5.6
 Ethics and Legal
 Responsibilities:
 8.7
 Technical
 Knowledge and
 Skills: 10.2
 Demonstration and
 Application: 11.1,
 11.2

CTE Pathway:
 D6.2, D6.1

XXIV.	PRESENTATION OF CASE STUDIES ASSIGNED	CR	Lab/ CC	Standards
	A.Presentation of Student Group Projects on Sports Therapy Case Studies	2	2	<p>Academic: LS: 11-12.1, 11-12.2, 11-12.3, 11-12.4, 11-12.5 RSIT: 11-12.1, 11-12.4, 11-12.5, 11-12.6, 11-12.7, 11-12.8 RLST: 11-12.1, 11-12.2, 11-12.3, 11-12.4, 11-12.5, 11-12.6, 11-12.7, 11-12.8, 11-12.9 WS: 11-12.2, 11-12.2a, 11-12.2d, 11-12.2e, 11-12.2b, 11-12.2c, 11-12.7, 11-12.8, 11-12.9 WHSST: 11-12.1, 11-12.10, 11-12.2, 11-12.5, 11-12.6, 11-12.8, 11-12.9</p> <p>CTE Anchor: Communications: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 Career Planning and Management: 3.2, 3.3, 3.4, 3.5, 3.6, 3.9 Technology: 4.1,</p>

			<p>4.3, 4.4, 4.5, 4.6 Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4, 5.6 Ethics and Legal Responsibilities: 8.1, 8.2, 8.3, 8.7 Demonstration and Application: 11.1 CTE Pathway: D1.1, D1.2, D1.3, D1.4, D2.1, D2.4, D2.5, D2.2, D2.3, D2.6, D3.1, D3.2, D3.5, D3.6, D3.3, D6.1, D6.4, D7.1, D7.2, D7.3, D7.4, D7.5, D7.10, D7.11, D8.2, D8.3, D8.4, D9.1, D9.9, D9.2, D9.5, D9.6, D12.1, D12.4</p>
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