SUBJECT AREA	TEACHING OBJECTIVE	SPECIFIC OUTCOME	MODULE IN *KNIGHT*, 3RD ED.	COMPETENCY RELATED COGNITIVE	COMPETENCY RELATED PSYCHOMOTOR	COMPETENCY RELATED AFFECTIVE	ASSESSMENT
Risk Management and Injury Prevention (RMIP)	The student will perform anthropometric measurement techniques and other appropriate examination and screening procedures.	The student will assess the following: ➢ Height ➢ Weight ➢ Blood pressure ➢ Pulse ➢ Limb girth ➢ Limb length ➢ Vision using a Snellen eye chart ➢ Body composition, using a manual skinfold caliper and appropriate formulas	D1,E1	1,2,3,4,9,17	1,2,3	1,2,3,4,5	D1,E1
(RMIP)	The student will perform fitness tests and record and interpret the data using accepted procedures and equipment.	The student will demonstrate the ability to perform and evaluate the results of the following tests: ➢ Flexibility tests ➢ Strength (repetition) testing ➢ Agility tests ➢ Speed tests	D3,E5,E6	1,4,9,10,11,12, 13,14	2,6	1,2,3,4,9	D3,E5,E6
(RMIP)	The student will demonstrate the ability to 1) obtain and interpret environmental data, 2) recognize potential hazardous conditions and situations in the activity setting, and 3) make the appropriate recommendations	The student will: ➢ Use a sling psychrometer ➢ Use a wet bulb globe index ➢ Interpret and present environmental data for the following conditions: heat; wind; humidity; potential for lightning strike; cold; poor air	B9	5,6,7,8	4,5	6,7,8	B9

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
	for activity.	quality ➢ Check an activity setting for physical and/or environmental hazards ➢ Use and interpret weight charts					
(RMIP)	The student will demonstrate the ability to select and fit standard protective equipment that provides safe and healthy participation in physical activity.	The student will select and fit the following protective equipment: ➢ Protective helmet and head gear ➢ Protective shoulder pads ➢ Footwear for physical activity ➢ Mouthguard ➢ Rib brace/guard ➢ Prophylactic ankle brace ➢ Prophylactic knee brace	C1,C2,C9,D2	18,19,20,21,22, 23,24,25	8,9,12	1,2,3,4,6,10,11, 12	C1,C2,C9,D2
(RMIP)	The student will operate and instruct the use of isometric, isotonic, and isokinetic weight training equipment.	The student will demonstrate the ability to establish repetition maximum tests.	E6	1,9,10,14	6,7,10,11	1,2,3,4,9	E6
(RMIP)		The student will demonstrate the ability to perform an isokinetic test for the knee and shoulder.	E6,H8	1,9,10,14	6,7,10,11	1,2,3,4,9	E6,H8
(RMIP)		The student will demonstrate the ability to interpret data obtained from isokinetic testing and to use this information to determine appropriate follow-up care.	E6,H8	1,9,10,14	6,7,10,11	1,2,3,4,9	E6,H8
(RMIP)		The student will perform isometric tests for the	E6,H5	1,9,10,14	6,7,10,11	1,2,3,4,9	E6,H5

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		following parts of the body: Ankle Foot/toes Knee Hip Trunk/torso Shoulder Elbow Wrist Hand/fingers					
(RMIP)		The student will perform the following tests: Upper body strength test Lower body strength test Upper body power test Lower body power test Upper body muscular endurance test Lower body muscular endurance test	E6	1,9,10,14	6,7,10,11	1,2,3,4,9	E6
(RMIP)	The student will instruct and demonstrate for the client specific flexibility exercises and activities.	The student will select range-of-motion exercises and activities for all major muscle groups and their associated joints and instruct a client to perform these exercises. The exercises must include the following body regions and joints: ➢ Cervical region ➢ Shoulder: joint and girdle ➢ Elbow ➢ Wrist ➢ Hand and fingers ➢ Lumbar region ➢ Hip and pelvis ➢ Knee ➢ Leg	D3	1,9,10,11,12,14, 15,16	6,7,10,11	1,2,3,4,9	D3

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ Ankle ➢ Foot and toes					
(RMIP)	The student will demonstrate the ability to instruct and establish a safe environment for the use of strength and conditioning equipment.	The student will demonstrate the proper lifting technique for the following exercises: ➢ Parallel squat ➢ Heel raises ➢ Power clean ➢ Bench press ➢ Shoulder press ➢ Dead lift ➢ Arm curl ➢ Triceps extension ➢ Knee curl (flexion) ➢ Knee extension ➢ Leg press	D4	1,5,9,10,11,13, 14,15,16	6,7,10,11	1,2,3,4,9	D4
(RMIP)		The student will demonstrate the proper spotting technique for the following exercises ➢ parallel squat ➢ bench press ➢ shoulder press ➢ power clean ➢ dead lift	D4	1,5,9,10,11,13, 14,15,16	6,7,10,11	1,2,3,4,9	D4
	The student will demonstrate the ability to construct custom protective devices. These devices include, but are not limited to, those that protect contusions, sprains, strains, wounds, and fractures from further injury.	The student will construct, apply, and remove the following protective devices: ➢ bony prominence pad ➢ friction pad ("doughnut" pad) ➢ muscle contusion pad ➢ checkrein device ➢ soft playing cast (e.g., silicone, thermofoam) ➢ hard, immobilization splint or cast (e.g., thermoplastic,	C3,C4,C5,C6, C7,C8,J11	18,19,20,21,22, 23,24	8,9,12	1,2,3,4,10,11	C3,C4,C5,C6,C7, C8,J11

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		plaster, fiberglass)					
(RMIP)	The student will demonstrate the ability to select and apply preventative and protective taping, wrapping, splinting, bracing, and rehabilitative devices in order to prevent further injury.	The student will demonstrate the ability to tape, splint, wrap, pad or brace the following joints to limit motions: cervical spine hip and pelvis shoulder joint and girdle knee elbow leg wrist ankle hand and fingers foot and toes lumbar spine	C1,C2,C3,C4, C5,C6,C7,C8, C9	18,19,20,21,22, 23,24,25	8,9,12	1,2,3,4,10,11	C1,C2,C3,C4,C5, C6,C7,C8,C9

SUBJECT AREA	TEACHING OBJECTIVE	SPECIFIC OUTCOME	MODULE IN *KNIGHT*, 3RD ED.	COMPETENCY RELATED COGNITIVE	COMPETENCY RELATED PSYCHOMOTOR	COMPETENCY RELATED AFFECTIVE	ASSESSMENT
Assessment and Evaluation (AE)	The student will conduct static and postural evaluation and screening procedures.	The student will recognize the following postural deviations and predisposing conditions: ➢ kyphosis ➢ genu valgum, varum, and recurvatum ➢ lordosis ➢ rearfoot valgus and varus ➢ scoliosis ➢ forefoot valgus and varus ➢ pelvic obliquity ➢ pes cavus and planus ➢ tibial torsion ➢ foot and toe posture ➢ hip anteversion and retroversion	E2	1,4,5,6,7,14,20, 21,23	2,4,6,13,15	1,2,3,4,5,6,7	E2
(AE)		The student will perform a postural assessment of the following: cervical spine and head hip and pelvis shoulder knee ➢ lumbo-thoracic region ankle, foot, and toes	E2	1,4,5,6,7,14	2,4,6,13,15	1,2,3,4,5,6,7	E2
(AE)		The student will identify and classify body types as: ➢ endomorph ➢ ectomorph ➢ mesomorph	E2	1,17,18	2	1,2,3,4,5,6,7	E2
(AE)	The student will perform record keeping skills	The student will: ➢ use standardized	A2	1,4,6,7,9,26,27	1,17	1,2,3,4,5,6,7	A2

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
	while maintaining patient confidentiality.	record keeping methods (e.g., SOAP, HIPS, HOPS) ➢ select and use injury, rehabilitation, referral, and insurance documentation ➢ use progress notes					
(AE)	The student will demonstrate the ability to palpate anatomical structures	The student will identify and palpate the following: ➢ bony landmarks of the head, trunk, spine, scapula, and extremities ➢ soft tissue structures of the head, trunk, spine, and extremities ➢ abdominal and thoracic structures ➢ primary neurological and circulatory structures	E4 (& multiple J modules)	1,7,25	2,12	1,2,3,4,5,6,7	E4 (& multiple J modules)
(AE)	The student will assess neurological responses.	The student will identify and assess the following: cranial nerves deep tendon reflexes dermatomes pathological reflexes myotomes	E3 (& multiple J modules)	1,7,10,11,12	14,15	1,2,3,4,5,6,7	E3 (& multiple J modules)
(AE)	The student will perform proper clinical evaluation techniques, including range-of-motion testing (active, passive, assisted).	The student will qualitatively assess active, passive, resistive range of motion for the following: ➢ temporomandibular joint ➢ hip ➢ cervical spine ➢ lumbar spine ➢ shoulder ➢ thoracic spine	E5 (& multiple J modules)	1,5,7,13,15	3,4,5	1,2,3,4,5,6,7	E5 (& multiple J modules)

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ elbow ➢ knee ➢ wrist and hand ➢ ankle ➢ thumb and fingers ➢ foot and toes					
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Head and Face***)	Obtain the medical history of an ill or injured athlete or other physically active individual.	J13	1,7,8,9	1,17	1,2,3,4,5,6,7	J13
(AE)		Observe and identify the clinical signs and symptoms associated with head injury: amnesia (retrograde or post-traumatic) pupil and eye movements levels of consciousness pulse orientation (person, time, place orientation) blood pressure intracranial hematoma facial postures balance and coordination	J13	1,6,7,8,9,16,19, 20,24,25	1,2,10,13,14,16	1,2,3,4,5,6,7	J13
(AE)		Observe and identify the clinical signs and symptoms associated with eye injuries and illnesses: ➢ orbital blowout fracture ➢ detached retina ➢ conjunctivitis ➢ hyphema ➢ corneal abrasion ➢ stye ➢ corneal laceration	J13	1,6,7,8,9,16,20, 24	1,2,10,13,14,16	1,2,3,4,5,6,7	J13
(AE)		Observe and identify the	J13	1,6,7,8,9,16,20	1,2,10,13,14,16	1,2,3,4,5,6,7	J13

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		clinical signs and symptoms associated with an ear injury or illness: ➢ pinna hematoma ("cauliflower ear") ➢ otitis externa ➢ impacted cerumen ➢ otitis media					
(AE)		Observe and identify the clinical signs and symptoms associated with nose injury: deviated septum epistaxis nasal fracture	J13	1,6,7,8,9,16,20	1,2,13,14,16	1,2,3,4,5,6,7	J13
(AE)		Observe and identify the clinical signs and symptoms associated with jaw, mouth, or tooth injury or illness: ➢ gingivitis ➢ tooth abscess ➢ mandibular fracture ➢ tooth extrusion ➢ maxilla fracture ➢ tooth fracture ➢ periodontitis ➢ tooth intrusion ➢ temporomandibular joint dislocation ➢ tooth luxation ➢ temporomandibular joint dysfunction	J13	1,6,7,8,9,16,20	1,2,13,14,16	1,2,3,4,5,6,7	J13
(AE)		Administer appropriate sensory, neurological, and circulatory tests	J13	1,2,7,10,11,12	3,5,16	1,2,3,4,5,6,7	J13
		Administer functional tests and activity-specific tests	J13	1,5,7,13,14,15	2,3,5,16	1,2,3,4,5,6,7	J13
(AE)		Identify, palpate, and assess the integrity of	J13	1,2,7	12,16	1,2,3,4,5,6,7	J13

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		bony landmarks					
(AE)		Identify, palpate, and assess the integrity of soft tissue	J13	1,2,7	2,12,16	1,2,3,4,5,6,7	J13
(AE)		administer commonly used special tests to make a differential assessment of the following: cranial nerves (e.g., eye motion, facial muscles) cognitive tests (e.g., recall, serial 7s, digit span) cerebellar function (e.g., Romberg's test, finger-to-nose test, heel-toe walking, heel-to-knee standing) Spinal nerve roots (e.g., upper quarter screen)	J13	1,7,10,11,12,13, 14,15	4,9,14,16	1,2,3,4,5,6,7	J13
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Cervical Spine***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J12	1,7,8,9	1,17	1,2,3,4,5,6,7	J12
(AE)		Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing conditions: ➢ Atrophy ➢ intervertebral disc herniation ➢ dislocation or subluxation ➢ nerve root	J12	1,6,7,8,9,10,11, 16,20	2,6,12,14	1,2,3,4,5,6,7	J12

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		compression or stretch ➢ vertebral fracture ➢ ischemia ➢ head and neck posture ➢ torticollis					
(AE)		Administer active and passive range-of-motion tests using quantifiable techniques (e.g., tape measure, goniometer, and inclinometer)	E5,J12	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	E5,J12
(AE)		Use manual muscle-testing techniques	J12	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J12
(AE)		Administer appropriate sensory, circulatory, and neurological tests	J12	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J12
(AE)		Administer functional tests and activity-specific tests	J12	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J12
(AE)		Identify, palpate, and assess the integrity of bony landmarks	J12	1,2,7	12,15	1,2,3,4,5,6,7	J12
(AE)		Identify, palpate, and assess the integrity of soft tissue	J12	1,2,7	2,12,15	1,2,3,4,5,6,7	J12
(AE)		Administer commonly used special tests to make a differential assessment of the following: nerve root compression (e.g., distraction/compression test, Spurling's test, shoulder depression test) brachial plexus neuropathy (e.g., brachial tension test, Tinel's sign) cervical disc herniation	J12 J12	1,6,7,8,9,16,20	4,9,14,15	1,2,3,4,5,6,7	J12 J12

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		(e.g., Valsalva's maneuver) neurovascular dysfunction (e.g., vertebral artery test)					
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Shoulder***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J9	1,7,8,9	1,17	1,2,3,4,5,6,7	J9
(AE)		Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing conditions: ➢ atrophy ➢ positioning (Sprengel's deformity) ➢ bursitis ➢ strain ➢ dislocation or subluxation ➢ scapulohumeral rhythm ➢ efficiency of movement ➢ scapular winging ➢ fracture ➢ step deformity ➢ sprain ➢ symmetry ➢ nerve injury ➢ tenosynovitis and tendonitis	J9	1,6,7,8,9,16,20	2,6,12,14	1,2,3,4,5,6,7	J9
(AE)		administer active and passive range-of-motion tests using standard goniometric techniques	E5,J9	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	E5,J9
(AE)		use manual muscle-testing	J9	1,2,3,5,7,14,15,	3,5,7,9	1,2,3,4,5,6,7	J9

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		techniques		20			
(AE)		administer appropriate sensory, neurological, and circulatory tests	J9	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J9
(AE)		administer functional tests and activity-specific tests	J9	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J9
(AE)		identify and palpate bony landmarks	J9	1,2,7	12,15	1,2,3,4,5,6,7	J9
(AE)		Identify and palpate soft tissue landmarks	J9	1,2,7	2,12,15	1,2,3,4,5,6,7	J9
(AE)		Administer commonly used special tests to make a differential assessment of the following ➢ glenohumeral instability (e.g., anterior drawer test, posterior drawer test, relocation test, apprehension test, clunk test, sulcus sign) ➢ acromioclavicular instability (e.g., shear test, compression test) ➢ rotator cuff impingement/inflammation (e.g., Speed's test, drop arm test, empty can test, impingement test, Hawkins-Kennedy impingement test, Neer impingement test, pectoralis major contracture test) ➢ biceps and biceps tendon pathology (e.g., Yergason's test, Ludington's test) ➢ thoracic outlet syndrome (e.g.,	J9	1,2,3,5,6,7,8,9, 13,14,15,16,20	4,9,14,15	1,2,3,4,5,6,7	J9

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		Adson's maneuver, Allen test, military brace position)					
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Elbow***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J10	1,7,8,9	1,17	1,2,3,4,5,6,7	J10
(AE)		Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing conditions: ➢ symmetry ➢ epicondylitis ➢ carrying angle (cubital valgus and varus) ➢ tenosynovitis and tendonitis ➢ dislocation or subluxation ➢ osteochondritis dissecans ➢ fracture ➢ sprain ➢ atrophy ➢ strain ➢ efficiency of movement nerve injury ➢ bursitis	J10	1,6,7,8,9,16,20	2,6,12,14	1,2,3,4,5,6,7	J10
(AE)		Administer active and passive range-of-motion tests using standard goniometric techniques	J10,E5	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	J10,E5
(AE)		Use manual muscle-testing techniques	J10	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J10
(AE)		Administer appropriate sensory, neurological, and	J10	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J10

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		circulatory tests					
(AE)		Administer functional tests and activity-specific tests	J10	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J10
(AE)		Identify, palpate, and interpret the integrity of bony landmarks	J10	1,2,7	12,15	1,2,3,4,5,6,7	J10
(AE)		Identify, palpate, and interpret the integrity of soft tissue	J10	1,2,7	2,12,15	1,2,3,4,5,6,7	J10
(AE)		Administer commonly used special tests to make a differential assessment of the following ➢ joint instability (e.g., valgus stress test, varus stress test) ➢ inflammatory conditions (e.g., tests for lateral epicondylitis, tests for medial epicondylitis) ➢ neuropathy (e.g., Tinel's sign, pronator teres syndrome, pinch grip test)	J10	1,2,3,5,6,7,8,9, 13,14,15,16,20	4,9,14,15	1,2,3,4,5,6,7	J10
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Forearm, Wrist, and Hand***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J11	1,7,8,9	1,17	1,2,3,4,5,6,7	J11
(AE)		Observe and identify the clinical signs and symptoms associated with the following: fracture (Colles' fracture, Bennett's fracture, carpal fracture	J11	1,6,7,8,9,16,20	2,6,12,14	1,2,3,4,5,6,7	J11

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		["boxer's fracture"], metacarpal fracture, phalanges fracture) dislocation or subluxation disease states (e.g., clubbed nails, spoon-shaped nails) soft tissue pathology (e.g., sprain, flexor tendon avulsion [jersey finger sign], extensor tendon avulsion [mallet finger], extensor tendon rupture [boutonniere deformity], volar plate rupture [pseudo-boutonniere deformity], Dupuytren's contracture, ganglion, swan neck deformity, trigger finger) neurovascular involvement (e.g., carpal tunnel syndrome, bishop's or benediction deformity, ape hand, claw fingers, drop-wrist deformity, Volkmann's contracture)					
(AE)		Administer active and passive range-of-motion tests using standard goniometric techniques	J11,E5	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	J11,E5
(AE)		Use manual muscle-testing techniques	J11	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J11
(AE)		Administer appropriate sensory, neurological, and circulatory tests	J11	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J11
(AE)		Administer functional tests and activity-specific	J11	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J11

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		tests					
(AE)		Identify, palpate, and interpret the integrity of bony landmarks	J11	1,2,7	12,15	1,2,3,4,5,6,7	J11
(AE)		Identify, palpate, and interpret the integrity of soft tissue	J11	1,2,7	2,12,15	1,2,3,4,5,6,7	J11
(AE)		Administer commonly used special tests to make a differential assessment of the following: ➢ inflammatory conditions (e.g., Finkelstein test) ➢ joint instability (e.g., valgus stress test, varus stress test, glide tests) ➢ neurovascular pathology (e.g., Tinel's sign, Phalen's test)	J11	1,2,3,5,6,7,8,9, 13,14,15,16,20	4,9,14,15	1,2,3,4,5,6,7	J11
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Thoracic/Lumbar Spine***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J7	1,7,8,9	1,17	1,2,3,4,5,6,7	J7
(AE)		Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing conditions: ➢ café au lait macules (spots) ➢ dislocation or subluxation ➢ spina bifida occulta	J7	1,6,7,8,9,16,20, 23,25	2,6,11,12,14	1,2,3,4,5,6,7	J7

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ facet syndrome ➢ intervertebral disc pathology ➢ spinal posture (kyphosis/ lordosis) ➢ leg length discrepancies ➢ nerve root compression ➢ sacroiliac dysfunction ➢ scoliosis ➢ vertebral pathology (e.g., spondylitis, spondylolysis, spondylolisthesis) ➢ sprain ➢ stenosis ➢ step deformity ➢ strain					
(AE)		Administer active and passive range-of-motion tests using standard qualitative and quantitative techniques	J7,E5	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	J7,E5
(AE)		Use manual muscle-testing techniques	J7	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J7
(AE)		Administer appropriate sensory and neurological tests	J7	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J7
(AE)		Administer functional tests and activity-specific tests	J7	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J7
(AE)		Identify, palpate, and interpret the integrity of bony landmarks	J7	1,2,7	12,15	1,2,3,4,5,6,7	J7
(AE)		Identify, palpate, and interpret the integrity of soft tissue	J7	1,2,7	2,12,15	1,2,3,4,5,6,7	J7
(AE)		Administer commonly used special tests to make a differential assessment of the following: intervertebral disc	J7	1,2,3,5,6,7,8,9, 13,14,15,16,20	4,9,14,15	1,2,3,4,5,6,7	J7

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		herniation (e.g., Valsalva's maneuver) neuropathy (e.g., straight leg raise test, well straight leg test, Babinski's reflex test, Oppenheim's gait test, Kernig's sign, Brudzinski sign test, bowstring test, Hoover sign test) vertebral defects (e.g., stork standing test/spondylolisthesis test**)** joint instability (e.g., spring test)					
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Hip and Pelvis***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J6	1,7,8,9	1,17	1,2,3,4,5,6,7	J6
(AE)		Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing conditions: ➢ leg length discrepancies ➢ osteitis pubis ➢ hip retroversion ➢ athletic pubalgia ➢ hip anteversion ➢ bursitis ➢ Legg-Calv~~9~~-Perthes disease ➢ piriformis syndrome ➢ apophysitis ➢ iliotibial band	J6	1,6,7,8,9,16,20, 22	2,6,11,12,14	1,2,3,4,5,6,7	J6

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		syndrome ➢ slipped capital femoral epiphysis ➢ contusion ➢ dislocation or subluxation ➢ sprain ➢ fracture ➢ strain ➢ stress fracture ➢ tendonitis					
(AE)		Administer active and passive range-of-motion tests using standard goniometric techniques and/or a tape measure	J6	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	J6
(AE)		Use manual muscle-testing techniques	J6	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J6
(AE)		Administer appropriate sensory, neurological, and circulatory tests	J6	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J6
(AE)		Administer functional tests and activity-specific tests	J6	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J6
(AE)		Identify, palpate, and interpret the integrity of bony landmarks	J6	1,2,7	12,15	1,2,3,4,5,6,7	J6
(AE)		Identify, palpate, and interpret the integrity of soft tissue	J6	1,2,7	2,12,15	1,2,3,4,5,6,7	J6
(AE)		Administer commonly used special tests to make a differential assessment of the following: sacroiliac dysfunction (e.g., Patrick's/FABER, Gaenslen's test, pelvic compression/distraction test) neuropathy (e.g., femoral nerve traction test)	J6	1,2,3,5,6,7,8,9, 13,14,15,16,20, 22	4,9,14,15	1,2,3,4,5,6,7	J6

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		neuromuscular pathology (e.g., Trendelenburg test, Thomas test, rectus femoris contracture test, Ober test, Noble's test, piriformis test)					
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Knee***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J4	1,7,8,9	1,17	1,2,3,4,5,6,7	J4
(AE)		Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing conditions: ➢ bursitis ➢ chondromalacia patella ➢ dislocation and subluxation ➢ fat pad contusion ➢ fracture ➢ leg length ➢ meniscal tear ➢ Osgood-Schlatter disease ➢ osteochondritis dissecans ➢ patellar alignment (e.g., patella alta, patella baja, squinting patella, Q angle) ➢ patellar tendon rupture ➢ peroneal nerve contusion or palsy ➢ popliteal cyst	J4	1,6,7,8,9,16,20	2,6,12,14	1,2,3,4,5,6,7	J4

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ sprain ➢ strain ➢ tendonitis ➢ tibial torsion ➢ tibiofemoral alignment (e.g., genu recurvatum, genu valgum, genu varum)					
(AE)		Administer active and passive range-of-motion tests using standard goniometric techniques	J4,E5	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	J4,E5
(AE)		Use manual muscle-testing techniques	J4	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J4
(AE)		Administer appropriate sensory, neurological, and circulatory tests	J4	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J4
(AE)		Administer functional tests and activity-specific tests	J4	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J4
(AE)		Identify, palpate, and interpret the integrity of bony landmarks	J4	1,2,7	12,15	1,2,3,4,5,6,7	J4
(AE)		Identify, palpate, and interpret the integrity of soft tissue	J4	1,2,7	2,12,15	1,2,3,4,5,6,7	J4
(AE)		Administer commonly used special tests to make a differential assessment of the following: uniplanar stress tests (e.g., valgus stress test, varus stress test, Lachman test, anterior drawer test, posterior drawer test, posterior sag sign) multiplanar (rotational) stress tests (e.g., Slocum test, Hughston's test, lateral pivot shift maneuver)	J4	1,2,3,5,6,7,8,9, 13,14,15,16,20	4,9,14,15	1,2,3,4,5,6,7	J4

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		meniscal tears (e.g., McMurray's test, Apley's test) patellofemoral dysfunction (e.g., grind test, apprehension test) intra-extracapsular swelling (e.g., sweep test, ballottable patella)					
(AE)	The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness. (***Leg, Ankle, and Foot***)	Obtain the medical history of an ill or injured athlete or other physically active individual	J1,J2,J3	1,7,8,9	1,17	1,2,3,4,5,6,7	J1,J2,J3
(AE)		Observe and identify the clinical signs and symptoms associated with the following common injuries, illnesses, and predisposing conditions: ➢ overuse injures (e.g., bursitis, exostosis, fasciitis, stress fracture, tarsal tunnel syndrome, tendonitis and/or tenosynovitis, tibial stress syndrome) ➢ Achilles tendon rupture ➢ compartment syndromes ➢ apophysitis ➢ dislocation or subluxation ➢ foot type/structure (e.g., forefoot varus/valgus, equinus	J1,J2,J3	1,6,7,8,9,16,20	2,6,12,14	1,2,3,4,5,6,7	J1,J2,J3

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		deformity, pes cavus/planus, plantar flexed first ray, rearfoot [hindfoot] varus/valgus) ➢ fracture ➢ deep vein thrombosis (e.g., Homans' sign) ➢ neuroma ➢ osteochondritis dissecans ➢ sprain ➢ strain ➢ toe structure/alignment (e.g., bunion, claw toes, hallux rigidus, hallux valgus, hammer toes, mallet toe, Morton's foot syndrome) ➢ weight-bearing versus non-weight-bearing alignment ➢ gait					
(AE)		Administer active and passive range-of-motion tests using standard goniometric techniques	J1,J2,J3,E5	1,2,3,5,7,14,15, 20	3,4,5,7,8	1,2,3,4,5,6,7	J1,J2,J3,E5
(AE)		Use manual muscle-testing techniques	J1,J2,J3	1,2,3,5,7,14,15, 20	3,5,7,9	1,2,3,4,5,6,7	J1,J2,J3
(AE)		Administer appropriate sensory, neurological, and circulatory tests	J1,J2,J3	1,2,7,10,11,12	3,5,14,15	1,2,3,4,5,6,7	J1,J2,J3
(AE)		Administer functional tests and activity-specific tests	J1,J2,J3	1,5,7,13,14,15	2,3,5,6,9,15	1,2,3,4,5,6,7	J1,J2,J3
(AE)		Identify, palpate, and interpret the integrity of bony landmarks	J1,J2,J3	1,2,7	12,15	1,2,3,4,5,6,7	J1,J2,J3
(AE)		Identify, palpate, and interpret the integrity of soft tissue	J1,J2,J3	1,2,7	2,12,15	1,2,3,4,5,6,7	J1,J2,J3
(AE)		Administer the following	J1,J2,J3	1,2,3,5,6,7,8,9,	4,9,14,15	1,2,3,4,5,6,7	J1,J2,J3

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		commonly used special tests to make a differential assessment: ➢ compression test (e.g., Pott's fracture) ➢ talar tilt test ➢ percussion test ➢ Thompson test ➢ anterior drawer test ➢ Tinel's sign ➢ Kleiger's test ➢ Homans' sign		13,14,15,16,20			

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
Acute Care of Injury and Illness (AC)	The student will demonstrate the ability to implement an emergency action plan (EAP).	The student will demonstrate the ability to implement an EAP for an activity, setting, or event.	B1	1,2,3	1	1,2,3,4,5,6	B1
(AC)		The student will correctly triage emergency situations.	B1	1,4,5,6,7,8,9,10, 11,12,13,14,15, 17,20,21,22,23, 25,26,33,34,35, 36,37,38,39,40, 41,42,43	1,,3,4,5,9,10,11,12, 13,14,12,13,14,15, 16	1,2,3,4,5,6,7	B1
(AC)	The student will demonstrate the ability to apply first-aid techniques using universal precautions.	The student will demonstrate the ability to: ➢ manage open and closed wounds ➢ apply direct and indirect pressure to control bleeding ➢ clean, debride, and protect an open wound ➢ apply superficial skin closures ➢ properly apply and remove gloves and other personal protective equipment ➢ properly dispose of biohazardous waste ➢ apply appropriate dressings ➢ apply ice, compression, and elevation to an acute sprain, strain, or contusion	B6,B7,B8	1,2,4,5,14,16,17, 18,19	1,2,6,7,8	1,2,3,4,5,6,14,15	B6,B7,B8
(AC)	The student will demonstrate the ability to apply immobilization devices to	The student will demonstrate the ability to: select and apply an appropriate splint to a	B4	1,2,4,5,26,27,28, 29,30,31,44	1,12,13,14,17,18, 20,21	1,2,3,4,5,6,8,9, 10	B4

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
	applicable body parts.	sprain, strain, fracture, subluxation, and dislocation stabilize and spine board or body splint an adult or child with a suspected spinal injury					
(AC)	The student will recognize and manage environmentally related injuries and illnesses and, when indicated, refer the patient to the proper medical professional.	The student will evaluate and manage the following: ➢ heat exhaustion heat stroke ➢ heat syncope hypothermia	B4	1,4,7,8,9,17,33, 34,39,40,42	1,3,4,5,10,16	1,2,3,4,5,6,7	B4
(AC)	The student will demonstrate the ability to perform basic life-support techniques.	The student will demonstrate the ability to: ➢ establish and manage an airway ➢ establish and manage an airway in an athlete wearing protective headgear ➢ perform CPR on an adult or child with or without a spinal injury ➢ use a bag-valve-mask (BVM) on an adult or child for rescue breathing use a protective pocket mask/shield on an adult or child for rescue breathing	B2	1,2,4,6,10,11,12, 17	1,2,3,4,5,10,11,13	1,2,3,4,5,6,7,11, 12	B2
(AC)	The student will demonstrate the ability to use various methods of stabilization and	The student will demonstrate the ability to: stabilize and transport an adult or child with a	B2,B4,B6	1,2,4,17,26,27, 28,29,30,31,32, 44,45,46,47	1,2,3,4,5,10,11,13, 14,17,18,19,20,21	1,2,3,4,5,6,8,9, 10,11,12,13,16	B2,B4,B6

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
	transportation to facilitate the movement or ambulation of the injured person.	head and/or spinal injury stabilize and transport an adult or child with a fracture and/or dislocation select, fit, and instruct the patient in the use of crutches select, fit, and instruct the patient in the use of a cane transport an injured adult or child using a manual conveyance technique perform two-person CPR assist a drowning victim					

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
Pharmacology (PHARM)	The student will locate and utilize pharmaceutical products, storage, dispensing, and tracking information.	Use the PDR or another drug reference to search for information on the medications commonly prescribed to athletes and others involved in physical activity and to identify the following facts: ➢ generic and brand names ➢ dosing ➢ indications for use ➢ other notes (e.g., banned substance) ➢ contraindications ➢ side (adverse) effects warnings	F1	1,2,3,4,5,6,7,8, 9,10,11,12,13,14, 15,16,17,18,19, 20,21,22,23,24, 25	1,2,3,4,5	1,2,3,4,5,6,7,8,9	F1
(PHARM)		Document, or simulate the documentation of, the tracking of medications by recording the following information about the medication: ➢ name ➢ dosage ➢ manufacturer ➢ lot number ➢ amount ➢ expiration date	F2	1,2,4,6	1,2,3,4,5	1,2,3,4,5,6,7,8,9	F2
(PHARM)		Locate the policies-and-procedures manual, identify the section on medications, and replicate the procedures for administering medications to athletes and others involved in physical activity, which include the following:	F2	1,2,3,4,5,6,7,8, 14,16,17,18,19, 20,22,24	1,2,3,4,5	1,2,3,4,5,6,7,8,9	F2

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		determine type of over-the-counter (OTC) medication to be used according to the physical ailment and established protocols identify the precautions, expiration date, lot number, and dosage for the medication as provided on the package and individual dose packets administer OTC medication by providing verbal and written instruction for its use to the patient and then recording and documenting the administration					
(PHARM)	The student will activate a poison control service.	Locate the phone number and address of the nearest poison control center and replicate the reporting of a drug overdose or poisoning situation. The report should state the following information: ➢ name and location of person making the call ➢ name and age of person who has taken the medication ➢ name and dosage of the drug taken ➢ time the drug was taken ➢ signs and symptoms associated with overdose or poison	B11	1,2,4,6,7,13,14, 16,17,18,19,20, 21,22,23,24,25	1,2,3,4,5	1,2,3,4,5,6,7,8,9	B11

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		situation, including vital signs					
(PHARM)	The student will demonstrate the ability to instruct the use of and administer bronchodilators and epinephrine.	Replicate the following procedures for using an emergency epinephrine injection to prevent anaphylaxis: ➢ identify indications for an epinephrine injection ➢ demonstrate proper use through verbal and nonverbal instruction ➢ identify signs and symptoms that might indicate an allergic reaction to or overdose of epinephrine ➢ demonstrate proper storage of epinephrine injectable ➢ demonstrate proper disposal of used injection system	B10	1,2,3,4,5,6,7,8, 10,13,14,21	1,2,3,4,5,6	1,2,3,4,5,6,7,8,9	B10
(PHARM)		Replicate the following procedures for using an emergency bronchodilator (inhaler) to prevent asthma attacks: identify indications for use of a bronchodilator demonstrate proper use through verbal and nonverbal instruction identify signs and symptoms that might indicate an allergic reaction to or	B10	1,2,3,4,5,6,7,8, 10,13,14,19	1,2,3,4,5,7	1,2,3,4,5,6,7,8,9	B10

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		overdose of a bronchodilator demonstrate proper storage of a bronchodilator					

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
Therapeutic Modalities (TM)	The student will relate the findings of a physical examination to determine the appropriate course of treatment.	The student will perform a physical examination to identify the current inflammatory stage.	G1-G12	1,2,3,4	1,2	1	G1-G12
(TM)		The student will perform a physical examination and interview to identify the indications, contraindications, and precautions to various treatment protocols.	G1-G12	1,4,8,9,10,11,12, 13,14,15,16,17,1 8,19	1,2,3,4	1,2,3,4,5	G1-G12
(TM)	The student will demonstrate the ability to apply therapeutic modalities.	**<u>Cryotherapy</u>** The student will demonstrate the ability to select the appropriate parameters for and then prepare and apply the following: ➢ cold whirlpool treatment ➢ ice immersion ➢ controlled cold therapy unit ➢ ice massage ➢ ice pack ➢ cryokinetics ➢ vapo-coolant spray	G4,G5	1,2,4,12,19,20, 21,22	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G4,G5
(TM)		**<u>Thermotherapy</u>** The student will demonstrate the ability to select the appropriate parameters for and then prepare and apply the following: moist heat pack ➢ contrast bath	G1,G2,G3	1,2,4,12,19,20, 21,22	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G1,G2,G3

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ paraffin treatment ➢ warm whirlpool treatment					
(TM)		**<u>Electrotherapy</u>** The student will demonstrate the ability to select the appropriate parameters for and then prepare and apply the following: sensory-level pain control treatment muscle atrophy retardation treatment noxious-level pain control treatment acute edema treatment motor-level pain control treatment muscle splinting/spasm treatment muscle re-education treatment iontophoresis treatment muscle pumping treatment	G10	1,2,4,5,6,7,8,9, 10,17,19,20, 21,22	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G10
(TM)		**<u>Electrotherapy</u>** The student will set-up and apply the following types of electrical stimulation units: ➢ monophasic stimulator (e.g., high volt stimulation) ➢ biphasic stimulator (e.g., Transcutaneous Electrical Nerve Stimulation [TENS], Neuromuscular Electrical Stimulation	G10	1,2,4,5,6,7,8,9, 10,17,19,20, 21,22	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G10

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		[NMES]) ➢ direct current (e.g., iontophoresis) ➢ alternating current (e.g., interferential, NMES) ➢ multifunction electrical stimulation devices					
(TM)		**<u>Ultrasound</u>** The student will demonstrate the ability to select the appropriate parameters for and then prepare and apply the following: ➢ thermal ultrasound treatment ➢ non-thermal ultrasound treatment ➢ combination electrical-stimulation/ultrasound treatment phonophoresis treatment ➢ indirect application of ultrasound treatment (underwater, bladder)	G8	1,2,4,5,6,8,9,13, 19,20,21,22	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G8
(TM)		**<u>Traction</u>** The student will demonstrate the ability to select the appropriate parameters for and then prepare and apply the following: mechanical traction manual traction positional traction	G12	1,2,4,8,9,15,19, 20,21,22	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G12
(TM)		**<u>Intermittent</u>**	G7	1,2,4,8,9,14,19,	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G7

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		<u>Compression</u> The student will demonstrate the ability to select the appropriate parameters for and then prepare and apply intermittent compression to the upper and lower extremities.		20,21,22			
(TM)		**<u>Therapeutic Massage</u>** The student will demonstrate the ability to prepare and apply a massage treatment.	G11	1,2,4,5,8,9,18,19, 20	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G11
(TM)		**<u>Therapeutic Massage</u>** The student will demonstrate the ability to properly perform the following therapeutic massage strokes: effleurage tapotement petrissage vibration friction (circular, transverse) myofascial release techniques	G11	1,2,4,5,8,9,18,19, 20	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5	G11

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
Therapeutic Exercise (TE)	The student will demonstrate the ability to perform therapeutic exercises.	Exercise to improve the range of motion of the upper extremity, lower extremity, trunk, and cervical spine. The student will demonstrate the ability to instruct the following exercises: passive range-of-motion exercises active range-of-motion exercises active-assisted range-of-motion exercises joint mobilization ➢ self-mobilizations	D3,H3,H4	1,2,3,4,5,6,7,8,9, 10,11,12,13,14	1,2,3,4,5,6,	1,2,3,4	D3,H3,H4
(TE)		Exercise to improve muscular strength. The student will demonstrate the ability to instruct exercises for the following parts of the body using isometric and progressive resistance techniques: lower extremity upper extremity cervical spine trunk and torso	H5,H6,H7	1,2,3,4,5,6,7,8,9, 10,11,12,13,14, 15,16	1,2,3,4,5,6,7	1,2,3,4	H5,H6,H7
(TE)		Exercise to improve muscular endurance. The student will demonstrate the ability to instruct the following exercise modalities: **<u>Upper Body</u>**	H9,H10,H15	1,2,3,4,5,6,7,8,9, 10,11,12,13,14, 16	1,2,3,4,5,6,7	1,2,3,4	H9,H10,H15

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ aquatic ➢ UBE/Stationary bicycle ➢ Physioballs ➢ Treadmill **<u>Lower Body</u>** Aquatic Stationary bicycle stair					
(TE)		Exercise to improve muscular speed. The student will demonstrate the ability to instruct the following activities: **<u>Upper Body</u>** ➢ reaction drills ➢ sprint work ➢ Fartlek training **<u>Lower Body</u>** ➢ Reaction drills	H12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16	1,2,3,4,5,6,7	1,2,3,4	H12
(TE)		Exercise to improve muscular power. The student will demonstrate the ability to instruct plyometric exercises for the upper and lower extremities.	H14	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16	1,2,3,4,5,6,7	1,2,3,4	H14
(TE)		Exercise to improve neuromuscular control and coordination. The student will demonstrate the ability to instruct the following activities:	H11	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16	1,2,3,4,5,6,7	1,2,3,4	H11

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		<u>Upper Body</u> ➢ PNF patterns ➢ Rythmic stabilization ➢ Double and single arm balancing ➢ Wobble board or balance apparatus ➢ Weighted ball rebounding or toss **<u>Lower Body</u>** ➢ PNF patterns ➢ Proprioception board or balance apparatus ➢ Incline board ➢ Single leg balancing **<u>Neck</u>** ➢ Stabilization ➢ Postural correction **<u>Trunk</u>** ➢ Stabilization ➢ Postural correction					
(TE)		Exercise to improve agility. The student will demonstrate the ability to instruct the following activities: **<u>Upper Body</u>** ➢ Throwing ➢ Catching **<u>Lower Body</u>**	H13	1,2,3,4,5,6,7,8,9, 10,11,12,13,14, 16	1,2,3,4,5,6,7	1,2,3,4	H13

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ Carioca ➢ Cross-over ➢ Figure eight (8)					
(TE)		Exercise to improve cardiorespiratory endurance. The student will demonstrate the ability to instruct the following activities: **<u>Upper Body</u>** Upper body ergometer Stationary bicycle Aquatic Stair climber **<u>Lower Body</u>** ➢ Bicycle ergometer ➢ Treadmill ➢ Stair climber ➢ aquatic	H15	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16	1,2,3,4,5,6,7	1,2,3,4	H15
(TE)		The student will demonstrate the ability to assess joint end point and to select and perform appropriate joint mobilization techniques for the appendicular and axial skeleton, including the following: ➢ long-axis distraction ➢ appropriate glides (e.g., anterior/posterior, superior/inferior)	H4	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16	1,2,3,4,5,6,7	1,2,3,4	H4
(TE)		The student will demonstrate the ability to instruct and perform exercises to improve activity-specific skills	H16	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16	1,2,3,4,5,6,7	1,2,3,4	H16

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		(running, striking, throwing, catching, swimming, biking, climbing, etc.).					

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
General Medical Conditions and Disabilities (GM)	*(no specific teaching objectives for this section)*	Obtain a basic medical history that includes the following components: ➢ previous medical history ➢ current medication history ➢ previous surgical history ➢ relevant social history ➢ pertinent family medical history ➢ chief medical complaint	E1	7,10,14,16,18,19, 26,29,30,32,33, 34,36	1,3,4,5,16	1,2,3	E1
(GM)		Ascertain body temperature via the following: oral temperature axillary temperature tympanic temperature	E1	2,7,10,34,36	1,14	1,3	E1
(GM)		Ascertain the following vital signs: ➢ blood pressure ➢ pulse (rate and quality) ➢ respirations (rate and quality)	E1	1,12,13	1,3,13,15	1,3	E1
(GM)		Palpate the four abdominal quadrants to assess for the following: guarding and rigidity pain	E1	1,16,17,19,20,21, 22	1,4,12	1,3	E1
(GM)		Use a stethoscope to identify the following: normal breath sounds normal heart sounds normal bowel sounds	E1	1,7,10,13,14	1,13	1,3	E1

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
(GM)		Identify pathological breathing patterns to make a differential assessment for the following respiratory conditions: ➢ apnea ➢ bradypnea ➢ tachypnea ➢ dyspnea ➢ hyperventilation ➢ obstructed airway	B2,E1	1,7,10,13,14	1,2,13,17	1,3	B2,E1
(GM)		Demonstrate proficiency in the use of an otoscope to examine the nose and the outer and middle ear.	E1	1,5,6,16	9	1,3	E1
(GM)		Measure urine values with Chemstrips (dipsticks)	E1	1,20	10	1,3	E1
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Skin</u>** abscesses herpes zoster acne vulgaris hives carbuncle impetigo cellulitis psoriasis molluscum contagiosum ringworm dermatitis scabies eczema sebaceous cysts folliculitis tinea cruris	J14	1,2,3,16,27,28,34	1,6,8	1,2,3	J14

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		frostbite tinea pedis furunculosis verruca plantaris herpes simplex verruca vulgaris tinea versicolor tinea capitis pediculosis					
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>The Eyes, Ears, Nose, and Throat</u>** common cold rhinitis conjunctivitis sinusitis laryngitis tetanus pharyngitis tonsillitis	J16	1,2,3,4,5,6,10,16	1,8,9,11	1,2,3	J16
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Respiratory System</u>** ➢ asthma ➢ influenza ➢ bronchitis ➢ pneumonia ➢ hyperventilation ➢ upper respiratory infection (URI) ➢ hay fever	J16	1,23,,6,7,8,9,10, 13,16	1,2,8,13,17	1,2,3	J16

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Cardiovascular System</u>** hypertension migraine headache hypertrophic myocardiopathy shock hypotension syncope	B4,J17	1,2,3,11,12,14,15	1,3,13,15	1,3	B4,J17
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Endocrine System</u>** diabetes hypothyroidism hyperthyroidism pancreatitis	J15	1,2,3,17,18	1,5	1,3	J15
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Gastrointestinal Tract</u>** ➢ appendicitis ➢ gastritis ➢ colitis ➢ gastroenteritis ➢ constipation ➢ indigestion	J17	1,2,3,16,19	1,4	1,2,3	J17

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ diarrhea ➢ ulcer ➢ esophageal reflux ➢ irritable bowel syndrome					
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Eating Disorders</u>** ➢ anorexia ➢ bulimia ➢ obesity	F4	1,2,3,6	1	1,3	F4
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Sexually Transmitted Diseases/Diseases Transmitted by Body Fluid</u>** ➢ HIV/AIDS ➢ genital warts ➢ hepatitis ➢ gonorrhea ➢ chlamydia ➢ syphilis	J18	1,2,3,17,21,22, 26,34,35,36,37	1,6,8,16	1,2,3	J18
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Genitourinary Tract and Organs</u>**	J18	1,2,3,16,20,21,22	1,16	1,2,3	J18

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		➢ kidney stones ➢ urinary tract infection ➢ spermatic cord torsion ➢ hydrocele ➢ candidiasis ➢ varicocele ➢ urethritis					
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Gynecological Disorders</u>** ➢ amenorrhea ➢ pelvic inflammatory disease ➢ dysmenorrhea ➢ vaginitis ➢ oligomenorrhea	J18	1,2,3,16,22,23, 24,25	1,16	1,2,3	J18
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **<u>Viral Syndromes</u>** ➢ infectious mononucleosis ➢ measles ➢ mumps	J15	1,2,3,27,34,37	1,6	1,2,3	J15
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions:	J15	1,2,3,16,30,31,32	1,7,8	1,3	J15

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		Neurological Disorders ➢ epilepsy ➢ reflex sympathetic dystrophy ➢ syncope ➢ meningitis					
(GM)		Recognize the signs, symptoms, and predisposing conditions associated with the following diseases and conditions: **Systemic Diseases** ➢ iron-deficiency anemia (systemic) ➢ sickle cell anemia (systemic) ➢ Lyme disease	J15	1,2,3,24	1	1,3	J15

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment	
Nutritional Aspects of Injury and Illnesses (NUTR)	The student will demonstrate the ability to design general nutrition programs for athletes and others involved in physical activity.	The student will demonstrate the ability to access and recommend nutritional guidelines for the following: pre-participation meal weight gain weight loss fluid replacement	F3	1,2,3,4,6,7,8,9, 10,11,12,13,14, 15,16,17,18,19, 20,21,22,27	1,2,3,4	1,2	F3	
(NUTR)		The student will demonstrate the ability to use the nutritional food pyramid.	F3	3,4	2,3,4	1,2	F3	
(NUTR)		The student will demonstrate the ability to access and assess the following nutritional intake values: ➢ RDA or equivalency ➢ vitamin intake ➢ protein intake ➢ mineral intake ➢ fat intake ➢ fluid intake ➢ carbohydrate intake	F3	1,2,3,4,5,7,8,9, 10,12,13,14,15, 17,18,20,25,27	1,2,3,4	1,2	F3	
(NUTR)		The student will demonstrate the ability to determine energy expenditure and caloric intake.	F3	1,2,4,8,17,19	2,4	1,2	F3	
(NUTR)		The student will demonstrate the ability to calculate the basal metabolic rate of energy expenditure.	F3	1,2,4,8,17,19	2,4	1,2	F3	
(NUTR)		Simulate intervention with an individual who has the signs and symptoms of disordered eating	F4	1,3,4,6,7,9,12,16, 23,26	1,2,3,4	1,2,3,4	F4	
(NUTR)		Identify proper referral	F4	1,4,16,23,24	2	1,2,3,4	F4	

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment	
		sources for disordered eating.						

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment	
Psychosocial Intervention and Referral (PSY)	The student will demonstrate the ability to intervene and make the referral to appropriate medical or allied medical professional.	Simulate intervention with an individual who has a substance abuse problem and recommend appropriate referral	K2	1,2,3,5,7,8,9,10, 14,15,16,17,18	1	1,2,3,4,5,6,7,8,9	K2	
(PSY)		Simulate a confidential conversation with a health care professional concerning suspected substance abuse by an athlete or other physically active individual	K2	1,2,3,5,7,8,9,10, 14,15,16,17,18	1,2,3	1,2,3,4,5,6,7,8,9	K2	
(PSY)		Locate the available community-based resources for psychosocial intervention	K3	1,2,3,6,7,9,11,12, 13,14,15,16,17, 18,19,20,21,22, 23,24	1,2,3	1,2,3,4,5,6,7,8,9, 10	K3	
(PSY)	The student will integrate motivational techniques into the rehabilitation program.	Simulate the following motivational techniques used during rehabilitation: verbal motivation imagery visualization desensitization	H2	1,2,3,4,9,10,20, 21,22,25	4,5,6	1,2,3,4,5,6,7,8,9, 10	H2	

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
Health Care Administration (HCA)	The student will demonstrate appropriate communication skills.	The student will: ➢ calm, reassure, and explain a potentially catastrophic injury to an injured adult or child, athletic personnel, and/or family member ➢ effectively communicate and work with physicians, emergency medical technicians (EMTs), and other members of the allied health care community and sports medicine team ➢ appropriately communicate with athletic personnel and family members ➢ use ethnic and cultural sensitivity in all aspects of communication ➢ communicate with diverse community populations	K1	1,2,3,6,7,8,9,12, 13,14,17,18,19, 20,21,23,31,32, 33,34,35,36,41, 42,45	5	1,2,5,6,11,12	K1
(HCA)	The student will use contemporary multimedia, computer hardware, and software as related to the practice of athletic training.	The student will access information and manage data using contemporary multimedia, computer equipment, and software. This should include, but not be limited to, use of the following: ➢ word processing software ➢ injury tracking software ➢ file management	L1,M2	5,10,11,15,39,43	4,5,6,7	9,11	L1,M2

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		systems ➢ the World Wide Web ➢ spreadsheets ➢ communication (e-mail) ➢ budgeting software ➢ presentation software					
(HCA)	The student will demonstrate the ability to perform record keeping skills with sensitivity to patient confidentiality.	The student will ➢ use standardized record keeping methods (e.g., SOAP, HIPS, HOPS) ➢ select and use injury, rehabilitation, referral, and insurance documentation ➢ use progress notes ➢ organize patient files to allow systematic storage and retrieval	A2	1,2,3,4,5,10,12, 14,24,25,40	3,4,5,6	5,9	A2
(HCA)	The student will demonstrate the ability to develop athletic training facilities and administrative plans.	The student will demonstrate the ability to develop facility design plans that include, but are not limited to, the following components: ➢ basic floor plan design ➢ facility evacuation ➢ basic rehabilitation and treatment area plans	L5	11,16,22,23,25, 26,27,30	1	4	L5
(HCA)		The student will demonstrate the ability to develop administrative plans that include but are not limited to, the following components: risk management developing policies and	L4	1,6,7,8,9,15,17, 18,19,20,21,22, 23,24,25,26,28, 29,30,37,38,40, 44	2,3,7	1,2,3,4,6,7,8,9, 10,12	L4

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment
		procedures developing budget (expendable and capital) addressing facility hazards					
(HCA)	The student will demonstrate the ability to prepare and interpret sample design for scientific research.	The student will interpret the following basic literature: ➢ case study ➢ outcome measurement, including statistical interpretation ➢ literature review	M1	4,5,10,11,18,28, 46	6,8	9	

Subject Area	Objective	Outcome	Module	Cognitive	Psychomotor	Affective	Assessment	
Professional Development and Responsibilities (PROF)	The student will demonstrate the ability to disseminate injury prevention and health care information.	The student will develop a presentation outline for an athletic training topic. The outline may include, but is not limited to, the following audiences: ➢ peer athletic trainers ➢ physicians ➢ parents ➢ athletic personnel ➢ general public athletes and others involved in physical activity	M2	1,2,3,4,5,6,7,8,9, 10,11,12,13,14, 15,16	1,3	1,2,3,4,5,6,7,8,9, 10,11,12	M2	
(PROF)		The student will develop a professional resume.	M3	1,5,6,12,14	2	1,2,3,8,9,11,12	M3	