



Guide to the 2023 ACOTE Standards for the Occupational Therapist and Occupational Therapy Assistant

WEB APPLICATIONS

Acute Care



Alignment with Course Content

- Fundamental clinical skills: vital signs, PPE, functional mobility
- Medical devices encountered across continuum of care, e.g. tubes and lines, hospital beds and patient lifts
- Physical disabilities and rehabilitation (orthopedics, neurological, cardiac, oncology, trauma)
- Pathological conditions

Basics of App

- Didactic content and videos related to assessment of vitals; personal protective equipment and isolation precautions; tubes, lines, and drains; hospital equipment; diseases, conditions, and patient populations encountered in physical rehabilitation settings.
- Vital signs normative values across the lifespan

Application of Content in App

- Case studies related to practice in inpatient care
- Obtaining the Occupational Profile with patient populations in physical rehabilitation settings
- Patient education

ACOTE Standards

- B.2.6. Effects of Disease Processes
- B.2.8. Safety of Self and Others
- B.3.2. Professional Reasoning
- B.3.6. Provide Interventions and Procedures
- B.3.12. Functional Mobility
- B.3.15. Assistive Technologies and Devices
- B.3.16. Orthoses and Prosthetic Devices

Adaptive Equipment



Alignment with Course Content

- Adaptive equipment
- Modification of processes for occupational performance
- Physical rehabilitation (orthopedics, neurological, cardiac, oncology, trauma)

Basics of App

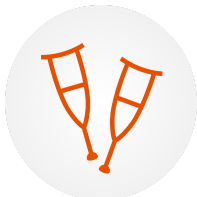
- Videos of an OT practitioner demonstrating ADL, IADL, and multi-use adaptive equipment items often provided to enhance independence in occupational performance
- Videos of an OT practitioner providing patient education in the use of adaptive equipment items

Application of Content in App

- Utilization of a variety of adaptive equipment items with a client with a physical disability
- Patient education
- Case study for adaptive equipment item use

ACOTE Standards

- B.3.1. Therapeutic Use of Self
- B.3.2. Professional Reasoning
- B.3.6. Provide Interventions and Procedures
- B.3.8. Grade and Adapt Processes or Environments
- B.3.15. Assistive Technologies and Devices

Analysis of Occupations and Activities 	Alignment with Course Content • Analysis of occupations and activities • Analysis of occupational performance • Activity demands Basics of App • Completed samples of activity analyses aligned with videos of typical performance of occupations • Samples of SOAP note documentation of occupational performance, aligned with analysis of occupations • Videos of individuals with and without adaptations completing occupations: ADL, IADL, health management, rest and sleep, leisure Application of Content in App • Practice of concepts related to analysis of occupations and activities • Sample worksheet completed for videos and opportunities for students to then complete the Activity Analysis Worksheet using the OTPF-4 ACOTE Standards • B.2.3. Interaction of Occupation and Activity • B.2.6. Effects of Disease Processes • B.2.7. Activity Analysis • B.3.2. Professional Reasoning • B.4.3. Documentation of Services
Assistive Mobility Devices 	Alignment with Course Content • Fundamental clinical skills • Functional mobility skills: bed mobility, transition movements, transfers, gait, stairs • Wheelchair fitting and mobility • Physical rehabilitation Basics of App • Fitting crutches, walkers, canes, and wheelchairs • Gait patterns for functional ambulation • Didactic content and video instruction for bed mobility, transfers, and stairs with assistive devices • Wheelchair basics with didactic instructions and videos Application of Content in App • Patient education • Case studies for determining appropriate Assistive Mobility Devices for clients based on need

	• Lab Handouts are available within the app to enhance the teaching and learning process (Teaching Content) ACOTE Standards • B.2.8. Safety of Self and Others • B.3.12. Functional Mobility • B.3.15. Assistive Technologies and Devices
Cardiopulmonary Rehabilitation 	Alignment with Course Content • Pathology related to cardiopulmonary conditions • Cardiopulmonary rehabilitation • Client interview and chart review as a component of completing the Occupational Profile (subjective exam) • Analysis of Occupational Performance with clients with cardiopulmonary conditions (physical exam) • Outcome measures aligned with cardiopulmonary rehabilitation • Interventions for cardiopulmonary conditions Basics of App • Overview of common cardiopulmonary conditions • Videos of initial interviews with clients living with cardiopulmonary conditions • Common outcome measures used with clients who have cardiopulmonary conditions • Interventions to address client factors and performance skills Application of Content in App • Patient education • Completion of occupational profile with clients with cardiopulmonary conditions • Case studies for application of learning to determine how to determine needs and progress client to highest level of independence • Lab Handouts and Worksheets are available within the app to enhance the teaching and learning process (Teaching Content) ACOTE Standards • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.6. Provide Interventions and Procedures

Pediatric Development 	Alignment with Course Content • Infant development of reflex integration and motor milestones • Reflex testing in infants • Analysis of typical and delayed motor performance in infants to age 12 months • Standardized assessments in pediatrics, infant to age 12+ Basics of App • Videos of motor development within the first year of life • Videos of developmental motor tasks in typically developing infants as well as infants with developmental delays • Common standardized assessments for pediatrics, organized by age and by diagnosis Application of Content in App • Analysis of motor performance in infants • Case studies for standardized testing of infants and children promote observation skills and interpretation of observations ACOTE Standards • B.1.1. Human Body, Development and Behavior • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools
Evidence-based Taping 	Alignment with Course Content • Kinesiology taping as intervention • Physical rehabilitation • Upper extremity rehabilitation Basics of App • Fundamental principles of kinesiology taping as intervention • Contraindications and precautions for taping • Videos of taping techniques for pathological conditions in all body regions • Evidence supporting taping as intervention Application of Content in App • Application of tape for functional tasks • Patient education ACOTE Standards • B.2.8. Safety of Self and Others

Feeding, Eating, and Swallowing <i>[coming soon]</i>	• B.3.14. Superficial Thermal, Deep Thermal, and Electrotherapeutic Agents and Mechanical Devices Alignment with Course Content • Pediatrics • Child development • Intervention for feeding and eating in infants Basics of App • Didactic content supported by videos depicting developmental milestones for feeding and eating from birth to 12 months • Typical and atypical development of feeding and eating are depicted including reflexes • Interventions to support development of feeding and eating skills Application of Content in App • Case studies support clinical reasoning and integration of learning • Lab Handouts are available within the app to enhance the teaching and learning process (Teaching Content) ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.6. Provide Interventions and Procedures
Gait Analysis 	Alignment with Course Content • Kinesiology and biomechanics • Physical rehabilitation • Neurologic rehabilitation Basics of App • Video breakdown of gait phases with application of ROM and muscle activity • Videos of normal gait and gait deviation patterns Application of Content in App • Analysis of gait including normal and common gait abnormalities • Case studies to further analyze gait abnormalities and determine client needs ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.3.2. Professional Reasoning

Lines & Tubes 	Alignment with Course Content • Fundamental clinical skills • Tubes, lines, and drains encountered across the continuum of care • Medical devices for injury and disease management • Physical rehabilitation Basics of App • Images of lines, tubes, and drain placement with description of Purpose, Placement, Indications, and Clinical Implications for occupational therapy • Images of medical devices used to assess vital signs with description of Purpose, Placement, Indications, and Clinical Implications for occupational therapy Application of Content in App • Case studies with clients with various lines, tubes, and drains. Students must determine why each is needed, how to assess vitals, appropriate care management of tubes, and clinical implications for OT • Case studies are available for the OT and OTA practitioner levels ACOTE Standards • B.2.8. Safety of Self and Others
Screening for Referral 	Alignment with Course Content • Pathological conditions • Medical terminology and processes for diagnoses • Medical screening techniques, including those used in occupational therapy • Physical rehabilitation (orthopedics, neurological, cardiac, oncology, trauma) Basics of App • Foundational knowledge of body systems for medical screening and differential diagnoses • Observation for and recognition of abnormal signs and symptoms, including pain, inflammation, shortness of breath, and numerous other indications of pathology. • Referral for medical intervention Application of Content in App • Systems review for physical examination and assessments • When to refer beyond occupational therapy ACOTE Standards • B.1.1. Human Body, Development, & Behavior • B.2.6. Effects of Disease Processes • B.2.8. Safety of Self and Others

	• B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.17. Referral to Specialists
Mental Health 	Alignment with Course Content • Mental and behavioral health: child and adolescent, adult, older adult • Mental and behavioral health conditions • Occupational therapy process • Occupational Therapy Practice Framework: Domain and Process • Mental and behavioral health screening and assessment tools Basics of App • Mental and behavioral health diagnoses: diagnostic criteria, functional consequences, applications for rehabilitation, and common medications • Occupational therapy assessment tools used in mental and behavioral health • Screening tools for mental and behavioral health • Interventions used in mental and behavioral health Application of Content in App • Knowledge of mental and behavioral health diagnoses and impact on occupational performance • Knowledge of screening and OT assessment tools used for mental and behavioral health ACOTE Standards • B.2.6. Effects of Disease Processes • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.6. Providing Interventions and Procedures
NeuroAnatomy 	Alignment with Course Content • Neuroanatomy/neuroscience • Dysfunctions of the brain • Neuro-rehabilitation • Physical rehabilitation • Pediatrics • Mental health Basics of App • Identification of brain via slice and tract to explore anatomical structures and function • Interactive features enhance engagement with the teaching content

	• 3-D movement by slice and tract allow for learner preferences Application of Content in App • Mini-games promote learning of content and connections between anatomical structures and function/dysfunction • Worksheets are available within the app to promote learning and recall (Teaching Content) ACOTE Standards • B.1.1. Human body, Development, and Behavior • B.2.6. Effects of Disease Processes
NeuroExam 	Alignment with Course Content • Neurological screening and assessment • Neuro-rehabilitation • Physical Rehabilitation Basics of App • Videos and didactic instruction for each component of the neurologic examination: motor control, sensation, muscle tone, reflexes, balance, coordination, gait, and visual screening (including cranial nerve testing) • Videos and didactic instruction of diagnosis-specific examination procedures: Fugl-Meyer, STREAM, ASIA, vestibular assessment (oculomotor, vestibular, and balance), and cranial nerve testing Application of Content in App • Lab Handouts are available within the app to promote learning and recall (Teaching Content) ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.2.6. Effects of Disease Processes • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools
NeuroRehab 	Alignment with Course Content • Physical rehabilitation: children, adults, older adults • Neuro-rehabilitation: children, adults, older adults • Assessment of clients with neurological conditions • Interventions for neurological movement impairments Basics of App • Videos and didactic instructions for techniques to facilitate functional movement: bed mobility, transfers, functional ambulation

	• Specific techniques for facilitating normal movement in clients with hypotonia • Specific techniques for inhibiting spasticity and promoting normal movement in clients with hypertonia • Resources provided: links to outcome measures grouped by impairment and by diagnosis • Resources provided: links to clinical practice guidelines for neurological diagnoses Application of Content in App • Case studies provide opportunity to complete an occupational profile • Case studies with videos provide opportunity for analysis of occupational performance • Case studies with videos of intervention promote integration of content learning ACOTE Standards • B.2.1. Scientific Evidence, Theories, Models of Practice, and Frames of Reference • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.6. Provide interventions and Procedures • B.3.12. Functional Mobility
Neurologic Case Studies 	Alignment with Course Content • Physical rehabilitation: children, adults, older adults • Neuro-rehabilitation: children, adults, older adults • Assessment of clients with neurological conditions • Interventions for neurological conditions • Interprofessional roles and responsibilities Basics of App • Videos of actual client and practitioner interactions during assessment and treatment: occupational therapy, physical therapy, speech language pathology practitioners are included • Real clients with neurologic conditions depicted in videos: stroke, Parkinson's, multiple sclerosis, spina bifida, traumatic brain injury, and more • Assessments and treatments span a range of body functions, performance skills, and occupation areas. Application of Content in App • Didactic content guides students' clinical reasoning • Case studies with videos provide opportunity to complete an occupational profile • Case studies with videos provide opportunity for analysis of occupational performance • Case studies with videos of intervention promote integration of content learning • Content that includes practitioners from OT, PT, and ST promotes reflection on interprofessional practice

	ACOTE Standards • B.1.3. Social Determinants of Health • B.2.3. Interaction of Occupation and Activity • B.2.6. Effects of Disease Processes • B.3.1. Therapeutic Use of Self • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.4. Application of Assessment Tools and Interpretation of Results • B.3.5. Reporting Data • B.3.6. Provide interventions and Procedures • B.3.8. Grade and Adapt Processes or Environments • B.3.12. Functional Mobility • B.3.13. Dysphagia and Feeding • B.3.22. Principles of Interprofessional Team Dynamics
Physical Dysfunction: Musculoskeletal 	Alignment with Course Content • Kinesiology • Physical rehabilitation: children, adults, older adults • Orthopedics/musculoskeletal rehabilitation: children, adults, older adults • Assessment of clients with orthopedic conditions • Intervention for clients with orthopedic conditions Basics of App • Orthopedic conditions are broken down by body region, including upper extremity, lower extremity, head/neck, and trunk • Content includes prevalence, clinical findings, assessment, and preparatory treatment methods • Links to patient-reported outcome measures Application of Content in App • Worksheets are available within the app to promote learning, recall, and integration of concepts (Teaching Content) ACOTE Standards • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.6. Provide interventions and Procedures

PNF 	Alignment with Course Content • Physical Rehabilitation: children, adults, older adults • Neuro-rehabilitation: children, adults, older adults Basics of App • Video breakdown of principles and philosophy of PNF. • Videos of techniques, patterns, and progression of skills development for advancing functional abilities Application of Content in App • One case study with a subjective exam and clinical assessment followed by treatment, post-treatment assessment, and home exercise program • Lab Handouts are available within the app to promote learning and recall (Teaching Content) ACOTE Standards • B.3.2. Professional Reasoning • B.3.6. Provide interventions and Procedures
Pharmacology 	Alignment with Course Content • Acute care • Physical & neurological habilitation and rehabilitation: children, adults, older adults • Clinical skills • Pathology Basics of App • Information on numerous medications encountered across ages, populations, and practice settings • Actions, adverse reactions, clinical implications Application of Content in App • Medication Review Table worksheet provided in the app to promote synthesis of learning • Case studies promote integration of content and clinical reasoning ACOTE Standards • B.2.8. Safety of Self and Others • B.3.2. Professional Reasoning

Physical Agent Modalities 	Alignment with Course Content • Preparatory methods • Physical agent modalities • Physical rehabilitation: adults, older adults • Neurologic rehabilitation: adults, older adults Basics of App • Information about all types of PAMs: Purpose, use, contraindications or precautions, parameters and settings, and patient education Application of Content in App • Case studies promote learning, recall, and integration of content • Lab Handouts are available within the app to promote learning and recall (Teaching Content) ACOTE Standards • B.2.8. Safety of Self and Others • B.3.2. Professional Reasoning • B.3.14. Superficial Thermal, Deep Thermal, and Electrotherapeutic Agents and Mechanical Devices
Post-Op 	Alignment with Course Content • Acute care • Physical rehabilitation: adults, older adults • Treatment protocols • Interventions for orthopedic postoperative conditions Basics of App • Overviews of commonly performed orthopedic and musculoskeletal surgeries • Evidence based protocols with progression guidelines for each phase of rehab & recovery • Includes impairments, appropriate tests and measures, goals, interventions, and precautions for each phase of recovery from the post-operative procedures Application of Content in App • Patient education • Connecting impairments with reasonable goals and interventions for each phase of postoperative recovery ACOTE Standards • B.2.6. Effects of Disease Processes • B.2.8. Safety of Self and Others • B.3.2. Professional Reasoning

	• B.3.6. Provide Interventions and Procedures • B.3.16. Orthoses and Prosthetic Devices
ROM, MMT, and Palpation 	Alignment with Course Content • Kinesiology • Clinical anatomy • Physical rehabilitation: children, adults, older adults • Upper extremity rehabilitation • Pathology associated with bony and soft tissue conditions • Standardized assessment for ROM and MMT • Neuro screening for dermatomes, myotomes, and reflexes Basics of App • Content is categorized by body region, including upper body and lower body • Didactic instruction and videos of: Palpation for bony landmarks and soft tissues; goniometry for ROM; MMT; neuro-screens for all dermatomes, myotomes, and reflexes; end feels • Normative values for ROM • Handheld dynamometry didactic instruction and videos for all body regions (except wrist/hand) • Pathological conditions are given for each bony and soft tissue structure Application of Content in App • Lab Handouts are available within the app to promote learning and recall (Teaching Content) ACOTE Standards • B.2.6. Effects of Disease Processes • B.2.8. Safety of Self and Others • B.3.3. Standardized and NonStandardized Screening and Assessment Tools
Sensory Integration 	Alignment with Course Content • Pediatrics • Child development • Neurodevelopmental considerations • Standardized assessments for sensory integration and processing needs • Intervention for sensory integration and processing needs • Sensory integration theory Basics of App • Didactic content related to sensory systems and sensory differences in children affecting occupational

	- performance - Interventions to support sensory integration and processing in children - Standardized tests related to sensory integration and processing - Frameworks guiding practice in the area of sensory integration and processing Application of Content in App - Content supports observation skills, clinical reasoning, and integration of learned concepts. ACOTE Standards - B.1.1. Human Body, Development, and Behavior - B.2.1. Scientific Evidence, Theories, Models of Practice, and Frames of Reference - B.2.6. Effects of Disease Processes - B.3.2. Professional Reasoning - B.3.3. Standardized and Nonstandardized Screening and Assessment Tools - B.3.6. Provide Interventions and Procedures
Special Tests 	Alignment with Course Content - Kinesiology - Musculoskeletal rehabilitation: children, adult, older adult - Upper extremity rehabilitation - Standardized and non-standardized assessments for orthopedic and musculoskeletal impairments - Pathology associated with nerve, bony, and soft tissue conditions Basics of App - Didactic instruction and videos of classic and novel orthopedic and musculoskeletal tests for full body - Tests are categorized by nerve, bony, and soft tissue conditions - Background information on all tests, including specificity and sensitivity, likelihood ratios, and associated measures to be considered Application of Content in App - Clinical reasoning for making connections between pathological conditions, selection of appropriate tests and measures, and psychometric properties of tests and measures. ACOTE Standards - B.2.6. Effects of Disease Processes - B.3.3. Standardized and NonStandardized Screening and Assessment Tools

Splinting / Orthotic Fabrication



Alignment with Course Content

- Physical and neurologic rehabilitation: children, adults, older adults
- Upper extremity rehabilitation
- Orthotic application and fabrication
- Pathology related to orthotic needs

Basics of App

- Basic principles of orthotic fabrication
- Information on orthotic fabrication materials, including equipment, thermoplastic properties, and strapping
- Didactic instruction and videos for fabrication of common elbow, wrist, and hand orthoses (static orthoses)
- Orthoses are categorized by body region and pathological condition
- Pattern templates for common elbow, wrist, and hand orthoses
- Patient education concepts related to upper extremity orthotics

Application of Content in App

- Clinical reasoning for making connections between pathological conditions and orthotic selection
- Patient education

ACOTE Standards

- B.2.6. Effects of Disease Processes
- B.2.8. Safety of Self and Others
- B.3.16. Orthoses and Prosthetic Devices

Surface Anatomy Palpation



Alignment with Course Content

- Kinesiology
- Clinical anatomy
- Physical rehabilitation: children, adults, older adults
- Upper extremity rehabilitation
- Pathology associated with bony and soft tissue conditions, and nerve entrapment

Basics of App

- Introductory concepts related to surface anatomy palpation, including lumbopelvic region considerations
- Didactic instructions for surface anatomy palpation, including bony and soft tissue
- Videos and images enhance learning with detailed graphics, and hand-drawn overlays on the body part

Application of Content in App

- Lab Handouts are available within the app to promote learning and recall (Teaching Content)
- Worksheets by body part are available within the app to promote learning and recall (Teaching Content)

	• Case studies are included on each worksheet to promote integration of body structures with pathology, movement impairments, and interventions ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.2.6. Effects of Disease Processes • B.3.3. Standardized and NonStandardized Screening and Assessment Tools
Vision Across the Lifespan 	Alignment with Course Content • Pediatric and child-based courses • Physical disabilities - neurologic • Older adults • Anatomy related to the visual and central nervous systems • Pathology related to the visual system and vision centers of the central nervous system • Interventions related to visual deficits, birth to older adult • Standardized and nonstandardized visual screening Basics of App • Functional anatomy of the visual system: eye, visual pathways and cortex, cranial nerves associated with vision • Typical and atypical vision across the lifespan, birth to over 60 years • Common age-related, neurological, and trauma-related conditions • Interventions related to visual deficits, birth to older adult • Standardized and nonstandardized visual screening Application of Content in App • Clinical reasoning for making connections between normal anatomy and physiology and pathological conditions across the lifespan • Clinical reasoning for screening, intervention, and referral to specialists ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.6. Provide Interventions and Procedures • B.3.8. Grade and Adapt Processes or Environments • B.3.15. Assistive Technologies and Devices • B.3.17. Referral to Specialists

E-LEARNING: SIMULATIONS

Acute Care Simulations



Alignment with Course Content

- Acute care, inpatient care, home care
- Physical rehabilitation: children, adults, older adults
- Foundational patient care skills
- Clinical reasoning

Basics of App

- Different levels of simulation learning are available
- 'MicroLearning': Interactive quiz-based learning and review of basic patient care concepts encountered in hospital, SNF, outpatient, and home-based settings (braces used post-op; post-surgical precautions; heart and lung sounds; lines and tubes; infection control). Mini-case studies are integrated into MicroLearning simulations
- 'MiniSIMS': offer more depth of detail in case studies with higher level of clinical reasoning incorporated into the simulations (ICU; total hip arthroplasty)
- Feedback and review are built in as students move through the simulations
- Students can download and submit Learning Reports of their results to the course LMS

Application of Content in App

- Promotes connection and application of knowledge and multiple concepts through simulated, interactive case studies
- Students integrate feedback and review as they repeat the simulations as assigned or as needed.

ACOTE Standards

- B.2.3. Interaction of Occupation and Activity
- B.2.6. Effects of Disease Processes
- B.2.8. Safety of Self and Others
- B.3.1. Therapeutic Use of Self
- B.3.2. Professional Reasoning
- B.3.4. Application of Assessment Tools and Interpretation of Results
- B.3.6. Provide Interventions and Procedures
- B.3.7. Need for Continued or Modified Intervention
- B.3.10. Plan for Discharge

	• B.3.12. Functional Mobility • B.3.16. Orthoses and Prosthetic Devices
Assistive Mobility Devices Simulations 	Alignment with Course Content • Acute care, inpatient care, home care • Physical rehabilitation: children, adults, older adults • Foundational patient care skills • Functional mobility techniques • Clinical reasoning Basics of App • Different levels of simulation learning are available • 'MicroLearning': Interactive quiz-based learning and review of assistive mobility devices encountered across all OT practice settings (fitting of assistive mobility devices; bed mobility; transfers; gait patterns; weight-bearing status; wheelchair components and mobility). Mini-case studies are integrated into MicroLearning simulations • 'MiniSIMS': offer more depth of detail in case studies with higher level of clinical reasoning incorporated into the simulations (lumbar fracture; post-MVA with multiple LE fractures) • Feedback and review are built in as students move through the simulations • Students can download and submit Learning Reports of their results to the course LMS Application of Content in App • Promotes connection and application of knowledge and multiple concepts through simulated, interactive case studies • Students integrate feedback and review as they repeat the simulations as assigned or as needed. ACOTE Standards • B.2.6. Effects of Disease Processes • B.2.8. Safety of Self and Others • B.3.1. Therapeutic Use of Self • B.3.2. Professional Reasoning • B.3.6. Provide Interventions and Procedures • B.3.12. Functional Mobility • B.3.15. Assistive Technologies and Devices • B.3.19. Teaching–Learning Process and Health Literacy

Interprofessional Practice



Alignment with Course Content

- Professional communication and behaviors
- Interprofessional roles and responsibilities
- Professionalism in the role of an OT practitioner
- Ethics
- Assessment, treatment planning, setting goals,

Basics of App

- 'MacroSIMS': indepth participatory simulation where students interact with an interprofessional rehabilitation team in the context of a case of a client with TBI
- Allows for an interactive, simulated experience with assessment and treatment by various members of the interprofessional team, as well as a simulated team conference
- Feedback and review are built in as students move through the simulation
- Students can download and submit Learning Reports of their results to the course LMS

Application of Content in App

- Promotes connection and application of knowledge and multiple concepts through an in depth simulated, interactive case study

ACOTE Standards

- B.2.3. Interaction of Occupation and Activity
- B.2.6. Effects of Disease Processes
- B.2.8. Safety of Self and Others
- B.2.10. Ethics and Professional Interactions
- B.3.1. Therapeutic Use of Self
- B.3.2. Professional Reasoning
- B.3.3. Standardized and Nonstandardized Screening and Assessment Tools
- B.3.4. Application of Assessment Tools and Interpretation of Results
- B.3.5. Reporting Data
- B.3.6. Provide Interventions and Procedures
- B.3.7. Need for Continued or Modified Intervention
- B.3.10. Plan for Discharge
- B.3.12. Functional Mobility
- B.3.21. Effective Communication
- B.3.22. Principles of Interprofessional Team Dynamics
- B.4.3. Documentation of Services
- B.4.6. Care Coordination, Case Management and Consultation

Neuro Simulations



Alignment with Course Content

- Physical rehabilitation
- Neuro-rehabilitation: children, adults, older adults
- Standardized and nonstandardized assessments for neurological concerns
- Interventions for neurological-related impairments

Basics of App

- Different levels of simulation learning are available
- 'MicroLearning': Interactive quiz-based learning and review of neuroanatomy
- 'MiniSIMS': offer more depth of detail in neurological-related case studies with higher level of clinical reasoning incorporated into the simulations (coordination testing; Five Times Sit to Stand; Modified Ashworth Scale; Rigidity Assessment; Romberg and Sharpened Romberg; Ten Meter Walk Test; Timed Up and Go)
- Feedback and review are built in as students move through the simulations
- Students can download and submit Learning Reports of their results to the course LMS

Application of Content in App

- Promotes connection and application of knowledge and multiple concepts through simulated, interactive case studies
- Demonstrate understanding and Interpretation of assessment findings
- Demonstrate ability to select interventions based on assessment findings
- Students integrate feedback and review as they repeat the simulations as assigned or as needed

ACOTE Standards

- B.1.1. Human Body, Development, and Behavior
- B.2.6. Effects of Disease Processes
- B.3.1. Therapeutic Use of Self
- B.3.2. Professional Reasoning
- B.3.3. Standardized and Nonstandardized Screening and Assessment Tools
- B.3.4. Application of Assessment Tools and Interpretation of Results
- B.3.6. Provide Interventions and Procedures

Physical
Disabilities/
Musculoskeletal
Simulations



Alignment with Course Content

- Kinesiology
- Musculoskeletal rehabilitation: adults, older adults
- Upper extremity rehabilitation
- Musculoskeletal pathology
- Standardized and nonstandardized assessments for musculoskeletal concerns
- Interventions for musculoskeletal impairments, including orthotics
- OT process

Basics of App

- Different levels of simulation learning are available
- 'MiniSIMS': offer more depth of detail in orthopedic-related case studies with higher level of clinical reasoning incorporated into the simulations (Cervical Spondylosis/Facet Syndrome; Adhesive Capsulitis; Carpal Tunnel Syndrome; DeQuervain's Tenosynovitis;)
- 'MacroSIMS': indepth participatory case-based simulations (SLAP lesion; cubital tunnel syndrome; carpal ligament sprain)
- Feedback and review are built in as students move through the simulations
- Students can download and submit Learning Reports of their results to the course LMS

Application of Content in App

- Promotes connection and application of knowledge and multiple concepts through simulated, interactive orthopedic case studies
- Learners demonstrate understanding and Interpretation of assessment findings
- Learners demonstrate ability to select and modify interventions based on assessment findings
- Learners integrate feedback and review as they repeat the simulations as assigned or as needed

ACOTE Standards

- B.1.1. Human Body, Development, and Behavior
- B.1.4. Quantitative Statistics and Qualitative Analysis
- B.2.6. Effects of Disease Processes
- B.3.2. Professional Reasoning
- B.3.3. Standardized and Nonstandardized Screening and Assessment Tools
- B.3.4. Application of Assessment Tools and Interpretation of Results
- B.3.5. Reporting Data
- B.3.6. Provide Interventions and Procedures
- B.3.7. Need for Continued or Modified Intervention
- B.3.8. Grade and Adapt Processes or Environments
- B.3.10. Plan for Discharge
- B.3.16. Orthoses and Prosthetic Devices

Physical Agent Modalities Simulations



Alignment with Course Content

- Physical agent modalities: thermal, electrical, ultrasound
- Physical rehabilitation: adult; older adult
- Musculoskeletal and neurological interventions

Basics of App

- 'MiniSIMS': offer more depth of detail in case studies with higher level of clinical reasoning incorporated into the simulations (total shoulder replacement; adhesive capsulitis; rotator cuff tear; lateral epicondylalgia; thumb osteoarthritis; biceps tendonitis)
- Application of parameters for physical agents
- Contraindications and precautions applied to case scenarios

Application of Content in App

- Promotes connection and application of multiple concepts related to physical agent modalities through simulated, interactive orthopedic case studies
- Learners integrate feedback and review as they repeat the simulations as assigned or as needed

ACOTE Standards

- B.2.6. Effects of Disease Processes
- B.2.8. Safety of Self and Others
- B.3.2. Professional Reasoning
- B.3.4. Application of Assessment Tools and Interpretation of Results
- B.3.6. Provide Interventions and Procedures
- B.3.14. Superficial Thermal, Deep Thermal, and Electrotherapeutic Agents and Mechanical Devices

ROM/MMT Simulations



Alignment with Course Content

- Kinesiology
- Clinical anatomy related to musculoskeletal systems
- Physical rehabilitation: child, adult, older adult
- Upper extremity rehabilitation
- Musculoskeletal and neurological conditions
- Standardized assessments

Basics of App

- 'MiniSIMS': offer case studies with higher level of clinical reasoning incorporated into the interactive simulations (ROM testing of spine, shoulder, wrist, finger, thumb; MMT of shoulder, elbow, wrist)
- Application of knowledge of goniometry
- Application of knowledge of manual muscle testing

	• Normative ROM values Application of Content in App • Promotes connection and application of multiple concepts related to movement impairments, anatomical landmarks, goniometry for ROM testing, muscle anatomy, and manual muscle testing through simulated, interactive case studies • Learners integrate feedback and review as they repeat the simulations as assigned or as needed ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.4. Application of Assessment Tools and Interpretation of Results
Wound Healing and Care Simulations 	Alignment with Course Content • Clinical anatomy related to integumentary system • Pathology • Wound care: assessment and treatment • Burn care: assessment and treatment • Orthotics for burn care • Physical rehabilitation: child, adult, older adult Basics of App • 'MicroLearning': Interactive case-based, quiz learning and review of burns, burn healing, debridement types, wound dressings, lymphedema care, and wound types Application of Content in App • Connecting learned content within simulated case studies ACOTE Standards • B.1.1. Human Body, Development, and Behavior • B.2.6. Effects of Disease Processes • B.3.2. Professional Reasoning • B.3.3. Standardized and Nonstandardized Screening and Assessment Tools • B.3.4. Application of Assessment Tools and Interpretation of Results • B.3.6. Provide Interventions and Procedures • B.3.16. Orthoses and Prosthetic Devices • B.3.17. Referral to Specialists

REFERENCES

- ACOTE Standards and Interpretive Guide ([link](#))