

Musculoskeletal - Integumentary



GNTD7072C Spring Semester 2020 Syllabus

The Musculoskeletal-Integumentary Block (MSK) provides a foundation in the normal structure and physiology of the integumentary and musculoskeletal systems, as well as an introduction to clinical conditions related to these systems. Specific topics include the development of these systems and an overview of common developmental abnormalities; recognition of the structural components of skin, cartilage and bones, skeletal muscles and tendons, and joints at multiple levels of organization ranging from cells and tissues to gross anatomical structures; the physiology and biomechanics of muscles, and their actions at joints. Related topics in dermatology, genetics, imaging, microbiology and infectious disease, neurology, nutrition, oncology, orthopedic surgery, pathology, pharmacology, rheumatology, and burns and wound healing will be discussed in the context of these foundational concepts.

Course Director Andrew Thompson, PhD (Email: Thomp3ar@uc.edu)
Tel: 513-558-7659 • Office MSB G454C

John N. Lorenz, PhD (Email: lorenzjn@uc.edu)
Tel: 513-558-3046 • Office: MSB 4259

Mark J. Goddard, MD (Email: mark.goddard@uc.edu)
Tel: 513-558-2919 • Office: Stetson 5200

Instructors Ensemble

Registration	Course #	Section	Call #	Credits	Class Schedule*	Location
	GNTD7072C	001		4 G	Variable	MSB 7051 CARE R-Level

Assessment **Bi-weekly Assessments 39%** 4 Assessments: 11%, 11%, 11%, 6% (G810)

Practical Exams 29% 3 Exams: Gross Anatomy Mid-Block Practical (12%), Histology Practical (5%), Gross Anatomy Final Practical (12%) (R-level Anatomy labs)

Peer teaching 4% 4 sessions, 1% each (R-level Anatomy labs)

Ultrasound 3% Small groups and skills demonstration (G-level labs)

End-of-Block Exam 25% Multiple Choice, NBME-administered comprehensive exam covering all material in the course

Grading Grading will be in line with CoM policy with no adjustment for the distribution of scores. There is no option for the remediation of grades after the scheduled final exams (i.e. no make-up test).

A 89.50%–100%

B+ 82%–84.99%

B- 74%–77.99%

F Below 70%

A- 85%–89.99%

B 78–81.99%

C 70%–73.99%

***** Note: threshold for A- (85%) may be adjusted up or down based on overall class average

Prerequisites Acceptance into Special Master's Program in Physiology

Attendance Students are responsible for the material presented in all didactic activities. Every reasonable effort will be made to record all educational activities occurring in the lecture halls, and provide these recordings to students via the learning management system (LCMS+). Attendance is required at all learning sessions which involve team/small group based activities (e.g., team-based learning, pharmacology small groups, dissection laboratories, peer teaching, Learning Communities) and all sessions related to the Interprofessional Experience, the Longitudinal Primary Care Clerkship, Clinical Skills, and the Community Health and Service Learning modules of Physician & Society.

Attendance is also required for any session that has a patient as a presenter or has a panel of presenters that have been assembled for the session. These sessions will be listed as required on the course schedule. These sessions will not be recorded. Material covered in the sessions will be testable. Laptops / iPads / tablets must be turned off during these sessions so that the focus is on the patients and guest presenters. Note-taking can be done on paper. Professional dress casual, without white coats, will be required for these sessions. Professional dress casual includes: e.g., men: khakis (no shorts), dress shirt, polo shirts (tie not required); e.g., women: dress, dress shirt/pants, skirt.

Auditing No auditing option

Blackboard & Email Policy Messages sent via Blackboard will be considered sufficient notice. You should make sure that you have entered your preferred email address in Blackboard under Tools → Personal Information → Edit Personal Information.

- Textbooks**
1. Moore et al., Clinical Oriented Anatomy, 7th ed.
 2. Moore and Persaud, The Developing Human: Clinically Oriented Embryology, 9th ed.
 3. Tank et al., Grant's Dissector, 15th ed.
 4. Ross and Pawlina, Histology: a Text and Atlas, 7th ed.
 5. Firestein, Kelley's Textbook of Rheumatology, 8th ed.
 6. Marks and Miller: Lookingbill and Mark's Principles of Dermatology, 4th ed.
 7. Kumar: Robbins and Cotran Pathologic Basis of Disease, 9th ed.
 8. Boron: Medical Physiology, Updated Edition, 2nd ed.
 9. Harrison's Online
 10. Learning Radiology: Recognizing the Basics, 3rd ed.
 11. Katzung et al., Basic and Clinical Pharmacology, 12th ed.
 12. Mahan, LK, Escott-Stump, A, Raymon, JL. Krause's Food and the Nutrition Care Process, 13th ed. St. Louis, MO: Elsevier, 2012, pp. 537-543.
 13. Garber et al., American college of sports medicine position stand. Quantity and quality of exercise for developing and maintaining cardiorespiratory, musculoskeletal, and neuromotor fitness in apparently healthy adults: guidance for prescribing exercise, Med. Sci. Sports Exerc. 43(7):1334-59 (2011).
 14. Sherris Medical Microbiology, 5th ed.

Class schedule is posted in LCMS+ (<https://medicineonline.uc.edu/lcms>). Schedule is subject to change, and students are required to log-in regularly to for changes in the schedule.