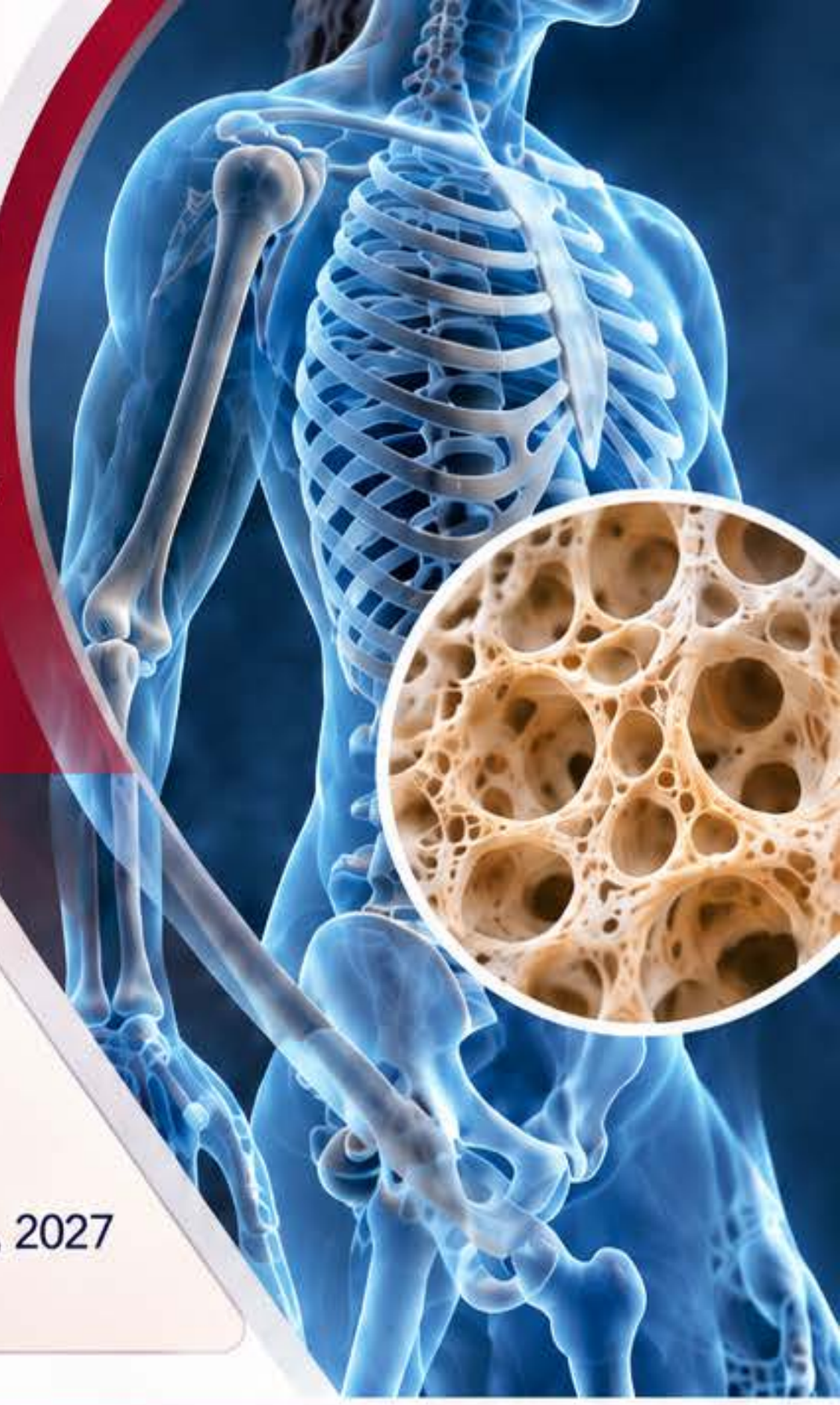
UAMS | Graduate School
Physiology and
Cell Biology Department

Bone Physiology and Pathophysiology

Explore the fundamentals of bone biology and their relevance to health and disease.



Course Information

Course Number: IBSD 51203-001

Credit Hours: 3 hours

Meeting Time: Tuesdays and Thursdays from 10:00 – 11:30 AM

Class Dates: January 12, 2027 – May 11, 2027

Location: Biomed II, Rm 242-2

Course Description

The fundamentals of **bone biology** are presented with an emphasis on the cellular and molecular basis for understanding current concepts of bone formation, bone resorption, and skeletal disorders.

Course Learning Objectives

1. To introduce students to the fundamental concepts of bone biology. These concepts will be introduced in a logical sequence of events that would occur naturally during the formation of bone in *vivo*.
2. Students will apply their basic knowledge of bone biology to understand research and clinical situations.
3. Students will be introduced to several techniques utilized in basic and clinical musculoskeletal research laboratories.

Course Directors

Jesus Delgado-Calle, Ph.D.
Office Location: Biomed II, Rm 242-2
Office Phone: 501-686-7668
Email: JDlelgadoCalle@uams.edu
Office Hours: By appointment
(contact by email to arrange time to meet)

Amy Sato, Ph.D.
Office Location: Biomed II, Rm 242-2
Office Phone: 501-603-1359
Email: AYSato@uams.edu
Office Hours: By appointment
(contact by email to arrange time to meet)

Build Your Knowledge. Advance Musculoskeletal Health.