



# Skeletal Tissue Mechanics

By R. Bruce Bach, David Burr, Neil A. Sharkey

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Knowledge of the mechanical properties of the skeletal system is important in understanding how our body works and how to repair it when it is damaged. This textbook describes the biomechanics of bone, cartilage, tendons and ligaments. It is rigorous in its approach to the mechanical properties of the skeleton yet it does not neglect the biological properties of skeletal tissue or require mathematics beyond calculus. Time is taken to introduce basic mechanical and biological concepts, and the approaches used for some of the engineering analyses are purposefully limited. The book is an effective bridge between engineering, veterinary, biological and medical disciplines and will be welcomed by students and researchers in biomechanics, orthopedics, physical anthropology, zoology, and veterinary science.

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## **Skeletal Tissue Mechanics** By R. Bruce Bach, David Burr, Neil A. Sharkey **Bibliography**

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#### Review

"...a good teaching text, and a useful reference. This reviewer would recommend Skeletal Tissue Mechanics for both the individual and institutional library." Applied Mechanics Reviews

#### About the Author

Martin of the University of California

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David Burr is Professor Emeritus of History at Virginia Tech. He is the author of numerous other books, including Olivi's Peaceable Kingdom: A Reading of The Apocalypse Commentary (1993).

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