

Alfred University biology professors write reference book

4/29/02

An atlas written by two Alfred University biology professors is designed to help health professionals find their way around the human body. Dr. Bradley S. Bowden, professor of biology, and Joan M. Bowden, adjunct assistant professor of biology, are co-authors of *An Illustrated Atlas of the Skeletal Muscles*, published by Morton Publishing Co. of Englewood, CO. The just-released reference and study guide is aimed at students and allied health professionals, such as physicians assistants, physical therapists, chiropractors and massage therapists, explained Dr. Bowden. *An Illustrated Atlas of the Skeletal Muscles* grew out of *Human Anatomy Laboratory Manual*, written by Dr. Bowden and published in 1996 by WCB/McGraw-Hill Publishers. When it came time to republish the manual, Dr. Bowden said he began looking around for a firm to do that. Discussions with Morton Publishing evolved into the atlas, with the Bowdens providing text to accompany medical illustrations depicting the muscle system. Dr. Bowden joined the AU faculty in 1970 and teaches courses on human anatomy, comparative vertebrate anatomy, developmental biology, evolution, histology, medical terminology, and vertebrate natural history. He also offers a course for non-majors, "Modern Biology with Human Implications," and is co-instructor of an analytical art course on scientific illustration. He has taught "Animal Rights and Wrongs" as an Honors Program seminar. His research interests include comparative animal reproductive physiology and sperm storage as an adaptive and evolutionary phenomenon in animals, particularly the live-bearing poeciliid fishes. Dr. Bowden has been a member of the University Advisory Committee for the Health Professions since 1971 and has chaired the committee since 1987. He is a member and past president of the Northeast Association of Advisors for the Health Professions. He also belongs to the American Society of Ichthyologists and Herpetologist, and the Alfred chapter of Sigma Xi, a national honor society for biologists. Dr. Bowden earned a B.S. in zoology from the University of Massachusetts, Amherst, in 1963 and a Ph.D. in zoology from the University of Connecticut, Storrs, in 1971. Joan Bowden, who holds a bachelor's degree in biology and math from Rhode Island College and a master's degree from the University of Connecticut, teaches human anatomy and physiology as part of NEW VISIONS, a health professions program offered in Corning and Hornell by the Allegany-Steuben Board of Cooperative Educational Services. Participants earn college credit from Alfred University for successful completion of the course. As an adjunct assistant professor at AU, she has taught anatomy and physiology, pathophysiology, nutrition, human genetics and nutrition. She also is an adult educator providing case management, teaching academic skills and assisting employees in their workplace to earn General Equivalency Diplomas.