

Use of terms regarding homeostasis in undergraduate textbooks

We evaluated the following ten textbooks in 2012 to answer a number of questions, including “to what extent are the same terms [regarding homeostasis] used in different textbooks” (28). We selected 2 or 3 commonly used textbooks that cover human or animal physiology in four types of undergraduate courses. We assessed the use of the following terms: negative feedback (used in 8 or 10 textbooks), set point (10 of 10), control center (6 of 10), integrator (3 of 10) and others.

Textbooks used in courses for

Anatomy & Physiology (200-level, 2-term sequence)

Human Anatomy & Physiology, Ninth Edition, by Marieb & Hoehn
Fundamentals of Anatomy & Physiology, Ninth Edition, by Martini & Nath
Principles of Anatomy and Physiology, 13th Edition, by Tortora & Derrickson

Human Physiology (200-level, one term)

Human Physiology: An Integrated Approach, Sixth Edition by Silverthorn
Human Physiology: From Cells to Systems, Eighth Edition, by Sherwood

Introductory Biology (200-level, majors sequence, 3 quarters or 2 semesters)

Campbell: Biology, Ninth Edition, by Reece, *et al.*
Biological Science, Fourth Edition, by Freeman
Life: The Science of Biology, Ninth Edition, by Sadava, *et al.*

Animal Physiology (300-level, one term)

Animal Physiology, Third Edition, Hill, Wyse, & Anderson
Eckert Animal Physiology, Fifth Edition, by Randall, Burggren, & French