

MyLab
Statistics
available

Biostatistics for the Biological and Health Sciences, Edition 2

Triola / Triola

Binding Paperback | Page Count 728

ISBN 9781292229362 | PUB Date 5/14/2018

For courses in Biostatistics.

Biostatistics for the Biological and Health Sciences uses a variety of real-world applications to bring statistical theories and methods to life. Through these examples and a friendly writing style, the 2nd Edition ensures that students understand concepts and develop skills in critical thinking, technology, and communication. The result of collaboration between two biological sciences experts and the author of the #1 statistics book in the US, *Biostatistics for the Biological and Health Sciences* provides an excellent introduction to statistics for students studying the biological, life, medical, and health sciences.

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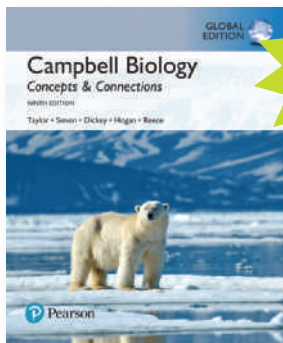
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Chapter 2: The Chemistry of Life
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Unit 2: Body Coverings and Movement
Chapter 5: The Integumentary System
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Appendix B The Metric System

Appendix C Laboratory Reference Values

Appendix D Scientific Method



Mastering
Biology
available

Campbell Biology: Concepts & Connections Edition 9

Taylor / Simon / Dickey / Hogan / Reece

Binding Paperback | Page Count 928

ISBN 9781292229478 | PUB Date 4/1/2018

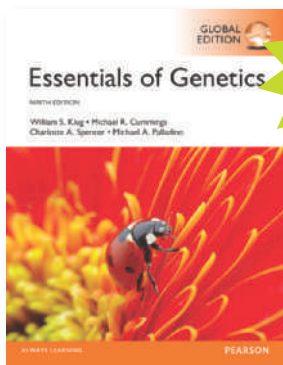
Intended for non-majors or mixed biology courses.

A conceptual framework for understanding the world of biology

Campbell Biology: Concepts & Connections continues to introduce pedagogical innovations, which motivate students not only to learn, but also engage with biology. This bestselling textbook is designed to help students stay focused with its hallmark modular organization around central concepts and engages students in connections between concepts and the world outside of the classroom with Scientific Thinking, Evolution Connection and Connection essays in every chapter. The 9th Edition offers students a framework organized around fundamental biological themes and encourages them to analyze visual representations of data with new Visualizing the Data figures. A reorganized Chapter One emphasizes the process of science and scientific reasoning, and robust instructor resources and multimedia allow students to engage with biological concepts in a memorable way. Unparalleled resources let instructors develop active and high-interest lectures with ease.

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- II. CELLULAR REPRODUCTION AND GENETICS
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10. Molecular Biology of the Gene
11. How Genes Are Controlled
12. DNA Technology and Genomics
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18. The Evolution of Invertebrate Diversity
19. The Evolution of Vertebrate Diversity
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Mastering
Genetics
available

Essentials of Genetics Edition 9

Klug / Cummings / Spencer / Palladino

Binding Paperback | Page Count 608

ISBN 9781292108865 | PUB Date 4/1/2018

For all introductory genetics courses.

Known for its focus on conceptual understanding, problem solving, and practical applications, this bestseller strengthens problem-solving skills and explores the essential genetics topics that today's students need to understand. The 9th Edition maintains the text's brief, less-detailed coverage of core concepts and has been extensively updated with relevant, cutting-edge coverage of emerging topics in genetics.

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1. Introduction to Genetics
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 3. Mendelian Genetics
 4. Modifications of Mendelian Ratios
 5. Sex Determination and Sex Chromosomes
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 7. Linkage and Chromosome Mapping in Eukaryotes
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 9. DNA Structure and Analysis
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 12. The Genetic Code and Transcription
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 14. Gene Mutation, DNA Repair, and Transposition
 15. Regulation of Gene Expression
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 17. Recombinant DNA Technology
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 20. Developmental Genetics
 21. Quantitative Genetics and Multifactorial Traits
 22. Population and Evolutionary Genetics
- Special Topics in Modern Genetics 1: Epigenetics
Special Topics in Modern Genetics 2: Emerging Roles of RNA
Special Topics in Modern Genetics 3: DNA Forensics
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Glossary



Campbell Biology in Focus Edition 2

Urry / Cain / Wasserman / Minorsky / Reece

Binding Paperback | Page Count 1104

ISBN 9781292109589 | PUB Date 4/1/2018

For introductory biology course for science majors.

Campbell Biology in Focus is the best-selling “short” textbook for the introductory college biology course for science majors. Every unit streamlines the material that best fits the needs of instructors, based on surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, careful analyses of course syllabi, and the Vision and Change in Undergraduate Biology Education report. The 2nd Edition builds on the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation, helping students make connections visually across chapters, interpret real data from research, and synthesize their knowledge. Digital resources include new, mobile-friendly tools that help instructors teach challenging topics better; integrate the eText with videos and animations; and allow students to test, learn, and retest until they achieve mastery of the content.

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1. Introduction: Evolution and the Foundations of Biology

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15. Regulation of Gene Expression

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17. Viruses

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20. Phylogeny

21. The Evolution of Populations

22. The Origin of Species

23. Broad Patterns of Evolution

UNIT 4: THE EVOLUTIONARY HISTORY OF LIFE

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25. The Origin and Diversification of Eukaryotes

26. The Colonization of Land

27. The Rise of Animal Diversity

UNIT 5: PLANT FORM AND FUNCTION

28. Plant Structure and Growth

29. Resource Acquisition, Nutrition, and Transport in Vascular Plants

30. Reproduction and Domestication of Flowering Plants

31. Plant Responses to Internal and External Signals

UNIT 6: ANIMAL FORM AND FUNCTION

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34. Circulation and Gas Exchange

35. The Immune System

36. Reproduction and Development

37. Neurons, Synapses, and Signaling

38. Nervous and Sensory Systems

39. Motor Mechanisms and Behavior

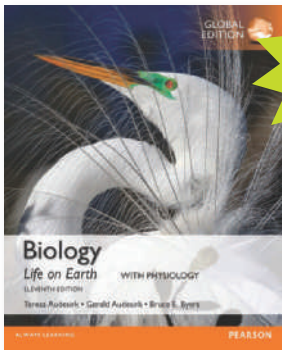
UNIT 7: ECOLOGY

40. Population Ecology and the Distribution of Organisms

41. Species Interactions

42. Ecosystems and Energy

43. Global Ecology and Conservation Biology



Mastering
Biology
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Biology: Life on Earth with Physiology Edition 11

Audesirk / Audesirk / Byers

Binding Paperback | Page Count 1028

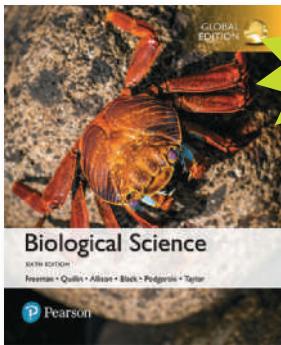
ISBN 9781292158167 | PUB Date 4/1/2018

For nonmajors/mixed biology courses.

With a proven and effective tradition of engaging readers with real-world applications, high-interest case studies, and inquiry-based pedagogy, *Biology: Life on Earth* fosters a lifetime of discovery and scientific understanding. Maintaining the conversational, question-and-answer presentation style that has made the text a best-seller, the 11th Edition incorporates true and relevant Case Studies throughout each chapter, along with new, more extensive guidance for developing critical thinking skills and scientific literacy.

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10. Patterns of Inheritance
11. DNA: The Molecule of Heredity
12. Gene Expression and Regulation
13. Biotechnology
- Part III: EVOLUTION AND DIVERSITY OF LIFE
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16. The Origin of Species
17. The History of Life
18. Systematics: Seeking Order Amid Diversity
19. The Diversity of Prokaryotes and Viruses
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39. The Senses
40. Action and Support: The Muscles and Skeleton
41. Animal Reproduction
42. Animal Development
- Part VI. PLANT ANATOMY AND PHYSIOLOGY
43. Plant Anatomy and Nutrient Transport
44. Plant Reproduction and Development
45. Plant Responses to the Environment



Mastering
Biology
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Biological Science Edition 6

Freeman / Quillin / Allison / Black / Taylor /
Podgorski / Carmichael

Binding Paperback | Page Count 1360

ISBN 9781292165073 | PUB Date 3/18/2018

For introductory courses for biology majors.

Scott Freeman's *Biological Science* is beloved for its Socratic narrative style, its emphasis on experimental evidence, and its dedication to active learning. *Biological Science* equips students with strategies to assess their level of understanding and identify the types of cognitive skills that need improvement.

In the 6th Edition, content is streamlined and emphasizes core concepts and competencies from the Vision and Change in Undergraduate Biology Education report. The text's unique BioSkills section after Chapter 1 helps students develop key skills needed to become a scientist, new Making Models boxes guide learners in interpreting and creating models, and new Put It all Together case studies conclude each chapter. new, engaging content includes updated coverage of global climate change, advances in genomic editing, and recent insights into the evolution of land plants.

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1. Biology and the Tree of Life

BioSkills

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4. Nucleic Acids and the RNA World

5. An Introduction to Carbohydrates

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II. CELL STRUCTURE AND FUNCTION

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9. Cellular Respiration and Fermentation

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11. Cell-Cell Interactions

12. The Cell Cycle

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14. Mendel and the Gene

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17. Transcription, RNA Processing, and Translation

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19. Control of Gene Expression in Eukaryotes

20. The Molecular Revolution: Biotechnology and Beyond

21. gGenes, Development, and Evolution

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45. Animal Movement

46. Chemical Signals in Animals

47. Animal Reproduction and Development

48. The Immune System in Animals

VIII. ECOLOGY

49. An Introduction to Ecology

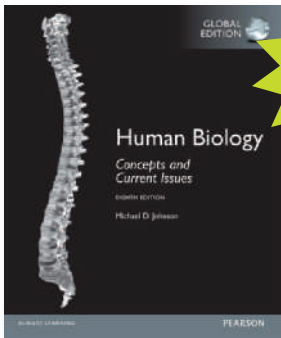
50. Behavioral Ecology

51. Population Ecology

52. Community Ecology

53. Ecosystems and Global Ecology

54. Biodiversity and Conservation Biology



Mastering
Biology
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Human Biology: Concepts and Current Issues Edition 8

Johnson

Binding Paperback | Page Count 640

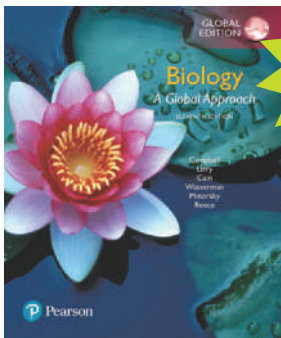
ISBN 9781292166278 | PUB Date 2/19/2018

For courses in human biology.

Through his teaching, his textbook, and his online blog, award-winning teacher Michael D. Johnson sparks interest in human biology by connecting basic biology to real-world issues that are relevant to students' lives. Using a storytelling approach and extensive online support, *Human Biology: Concepts and Current Issues* Eighth Edition not only demystifies how the human body works but also drives students to become a better, more discerning consumer of health and science information. Each chapter opens with Johnson's popular Current Issues essays, and within each chapter, BlogInFocus references direct readers to his frequently updated blog for breaking human biology-related news.

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1. Human Biology, Science, and Society
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 4. From Cells to Organ Systems
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 10. The Respiratory System. Exchange of Gases
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 18. Cancer. Uncontrolled Cell Division and Differentiation
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Mastering
Biology
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Campbell Biology, A Global Approach Edition 11

Campbell / Urry / Cain / Wasserman / Minorsky / Reece

Binding Paperback | Page Count 1512

ISBN 9781292170435 | PUB Date 4/1/2018

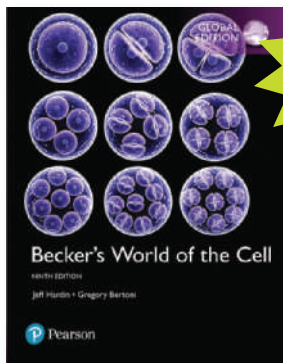
For courses in general biology

Through its clear and engaging narrative, superior skills instruction, innovative use of art and photos, and fully integrated media resources to enhance teaching and learning, the Eleventh Edition of the best-selling Campbell Biology sets students on the path to success in biology.

To engage learners in developing a deeper understanding of biology, the 11th Edition challenges them to apply their knowledge and skills to a variety of new hands-on activities and exercises in the text and online. Content updates throughout the text reflect rapidly evolving research, and new learning tools include Problem-Solving Exercises, Visualizing Figures, Visual Skills Questions, and more.

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Mastering
Biology
available

Becker's World of the Cell Edition 9

Hardin / Bertoni / Kleinsmith

Binding Paperback | **Page Count** 920

ISBN 9781292177694 | **PUB Date** 9/3/2017

For courses in cell biology.

Widely praised for its strong biochemistry coverage and clear, easy-to-follow explanations and figures, Becker's World of the Cell provides a beautifully illustrated, up-to-date introduction to cell biology concepts, processes, and applications. Informed by many years of classroom experience, the revised 9th Edition introduces molecular genetics concepts and includes more extensive coverage of key techniques in each chapter. Becker's World of the Cell provides accessible and authoritative descriptions of all major principles, as well as unique scientific insights into visualization and applications of cell and molecular biology.

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1. A Preview of Cell Biology
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 3. The Macromolecules of the Cell
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 6. Enzymes: The Catalysts of Life
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 8. Transport Across Membranes: Overcoming the Permeability Barrier
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 11. Phototrophic Energy Metabolism: Photosynthesis
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 14. Cellular Movement: Motility and Contractility
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 26. Cancer Cells
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