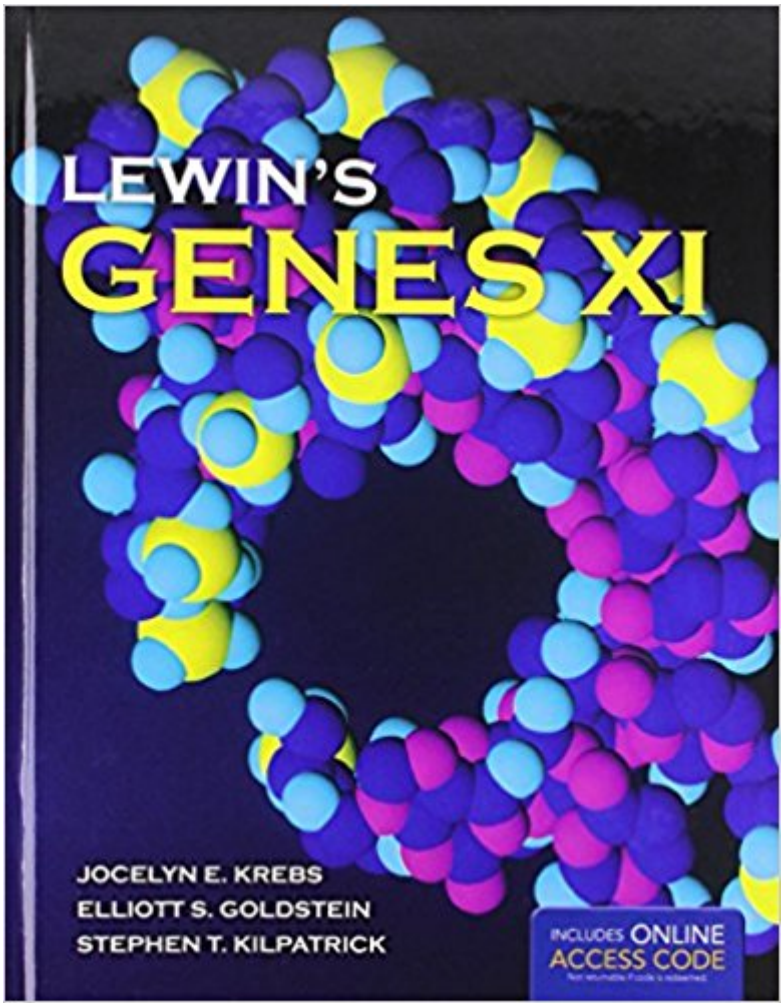
Lewin's GENES XI



Synopsis

Molecular Biology is a rapidly advancing field with a constant flow of new information and cutting-edge developments that impact our lives. Lewin's GENES has long been the es-sential resource for providing the teaching community with the most modern presenta-tion to this dynamic area of study. GENES XI continues this tradition by introducing the most current data from the field, covering gene structure, sequencing, organization, and expression. It has enlisted a wealth of subject-matter experts, from top institutions, to provide content updates and revisions in their individual areas of study. A reorganized chapter presentation provides a clear, more student-friendly introduction to course material than ever before. Updated content throughout to keep pace with this fast-paced field. Reorganized chapter presentation provides a clear, student-friendly introduction to course material. Expanded coverage describing the connection between replication and the cell cy-cle is included, and presents eukaryotes as well as prokaryotes. Available with new online Molecular Biology Animations. Instructor's supplements include: PowerPoint Image Bank, PowerPoint Lecture Slides, and Test Bank. --This text refers to an out of print or unavailable edition of this title.

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Customer Reviews

Jocelyn E. Krebs, PhD-Associate Professor, University of Alaska, Anchorage Jocelyn E. Krebs has been a member of the Department of Biological Sciences at the University of Alaska An-chorage since 2000. She received her B.A. in Biological Sciences from Bard College in 1991 and her PhD in

Molecular and Cell Biology from the University of California Berkeley in 1997. Her research focuses on the mechanisms by which DNA transactions such as transcription and repair are accomplished in the context of chromatin. Her teaching interests are in Molecular Biology (taught at the undergraduate, graduate, and first-year medical school levels), as well as the Molecular Biology of Cancer. Stephen T. Kilpatrick, PhD-Associate Professor, University of Pittsburgh at Johnstown Stephen T. Kilpatrick is an Associate Professor of Biology at the University of Pittsburgh at Johnstown (UPJ). He received a B.S. in Biology for Eastern College (now Eastern University) and a PhD from the Program in Ecology and Evolutionary Biology at Brown University. His research an teaching interests are in evolutionary molecular genetics. UPJ is an undergraduate degree-granting campus of the University of Pittsburgh, and Dr. Kilpatrick regularly teaches undergraduate courses in majors introductory biology, genetics, evolution, mo-lecular genetics, and biostatistics. Prior to coauthoring the Second Edition of Lewin's Essential Genes, Dr. Kilpatrick has co-authored the test banks for the first edition and for Lewin's GENES VIII and GENES IX. He has also authored ancillaries and pedagogical materials for several introductory non-majors and majors biol-ogy and genetics textbooks. Elliott S. Goldstein, PhD-Associate Professor, Arizona State University Elliott S. Goldstein earned his B.S. in Biology from the University of Hartford (Connecticut) and his Ph.D. in Genetics from the University of Minnesota, Department of Genetics and Cell Biology. Following this, he was awarded an N.I.H. Postdoctoral Fellowship to work with Dr. Sheldon Penman at the Massachusetts Institute of Technology. Leaving Boston, he joined the faculty at Arizona State University in Tempe, where he is an Asso-ciate Professor in the Cellular, Molecular and Biosciences program in the School of Life Sciences, and in the Honors Disciplinary Program. His research interests are in the area of molecular and developmental genetics of early embryogenesis in Drosophila melanogaster. In recent years, he has focused on the Drosophila coun-terparts of the human proto-oncogenes jun and fos. His primary teaching responsibilities are in the under-graduate General Genetics course as well as the graduate level Molecular Genetics course. --This text refers to an out of print or unavailable edition of this title.

This book was great. I rented it from for a graduate molecular biology course. The only biology I had in my undergrad was general bio 1, and while I'll admit I had to look up a few words early on, it was fairly easy to understand. I ended up getting an A in the course, and feel like I understood the material very well. No complaints!

Simply not for a regular Biology course.

Book was bought for the department. Came in good condition.

The second paragraph of the preface of this text says "This book is aimed at advanced students in molecular genetics and molecular biology." They are not lying. I am sure that this is a great reference if you are doing master's or Ph.D. level work, but if this is the text that is assigned for an undergraduate course, as it was for me, then go to your department chair and protest. You will spend $200 plus dollars and unless you are a very sophisticated student, you are going to have a hard time getting anything from this text.I am a returning student who has a degree in a different field, so I was able to navigate my way through this text, with lots of time spent on Google, or Wikipedia, or just the dictionary deciphering what I was reading. Most of my classmates however were using this as a paperweight after the first few weeks, and that is a generous estimate of the amount of time that they were able to use this book. It is too advanced for an introductory level molecular genetics course. The authors assume a knowledge of the terminology used, so there is very little explanation of terms that they deem to be foundational.If you are an undergraduate instructor reading my review and contemplating assigning this as the primary text for your course, please, please, for the sake of you students don't. Put it on library reserve as a secondary source and assign a text that is more approachable, or contact your representative at the publisher and see if they are able to do a custom print for you of just the most important chapters that you want covered, though this will be difficult as the text also make reference to topics covered in other parts of the book frequently.This reminded me of another thing I really, really disliked about this book. When the authors referred to other sections of the book, they did it based on the title of the section instead of using Chapter/Section numbering (i.e 6.9, 8.6, 13.13, etc). This meant that unless you memorized the table of contents, you basically needed to read the entire table of contents to find where in the text the reference was. Then when you finally found the reference, it usually provided no more clarity than what you were reading in the first place.One thing that I do like is that at the end of most chapters, there is a reference to primary research papers used to construct the chapter. This is very helpful if you want to go more in depth into a specific topic, but that only highlights further that this is not really a text geared towards undergraduates.

I am currently teaching an undergraduate molecular biology class using this book (the book was already chosen). My Ph.D. is in cell biology, but I do have a general knowledge of molecular biology (some aspects more than others), however, I find certain chapters of the book extremely hard to

read. It is more an encyclopedia than a textbook. This is absolutely a book for advanced courses and readers. As such, the level of details is staggering and impressive. As a textbook, it is not user-friendly, as it weaves story after story, often repeated from one chapter to the other, without highlighting the really important material from the details. I wish the authors had the main story separated from the experimental details, which may be interesting for the experts but overwhelming for students. All in all, it is a great molecular biology reference book to have; maybe a good book for a graduate level class, but absolutely not for undergraduate courses.

The book smelled strongly like smoke, it was hard to use the book because the smell was so bad.

This book was undamaged and came as I expected. With that said, it is one of the more dense books I have had to read in college and often leads me to more questions than answers. But as a required reading, you do not have much of a choice!

good text