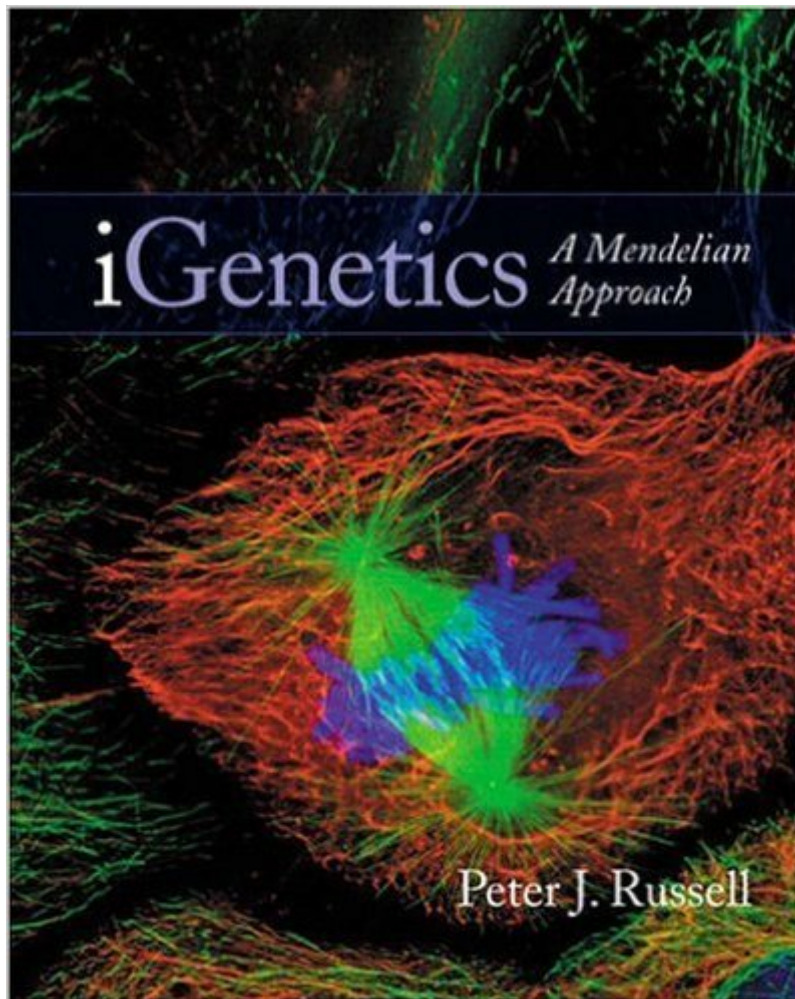


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iGenetics: A Mendelian Approach (Book & CD)



Synopsis

iGenetics: A Mendelian Approach reflects the dynamic nature of modern genetics by emphasizing an experimental, inquiry-based approach with a solid treatment of many research experiments. 1. Genetics: An Introduction, Mendelian Genetics, Chromosomal Basis of Inheritance, Extensions of Mendelian Genetic Principles, Quantitative Genetics, Gene Mapping in Eukaryotes, Advanced Gene Mapping in Eukaryotes, Variations in Chromosome Structure and Number, Genetics of Bacteria and Bacteriophages, DNA: The Genetic Material, DNA Replication, Gene Control of Proteins, Gene Expression: Transcription, Gene Expression: Translation, DNA Mutation, DNA Repair, and Transposable Elements, Recombinant DNA Technology, Applications of Recombinant DNA Technology, Genomics, Regulation of Gene Expression in Bacteria and Bacteriophages, Regulation of Gene Expression in Eukaryotes, Genetic Analysis of Development, Genetics of Cancer, Non-Mendelian Inheritance, Population Genetics, Molecular Evolution For all readers interested in learning the central concepts of genetics.

Book Information

Hardcover: 850 pages

Publisher: Benjamin Cummings; 1 edition (April 14, 2005)

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Average Customer Review: 3.8 out of 5 stars [See all reviews](#) (16 customer reviews)

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Customer Reviews

I think this is one of my favorite text books that I've encountered to this point. It's wonderfully straight forward and has beautiful diagrams that clearly illustrate the subjects being taught. It's also very nice reading, which is more than I can say about most text books!

iGenetics, despite it's silly name, is in fact a great textbook, especially for someone just beginning to

study genetics. I found the book to be well written, and the figures make it easy for any type of learner, as the figures offer a mix of words and diagrams that make everything very clear (especially nice when things begin to get complicated). It is one of the few textbooks I have found enjoyable and easy to read. If you're using it for a class, I recommend Study Guide and Solutions Manual for iGenetics: A Mendelian Approach as a means of helping you understand the material and the various Genetics problems (assuming you do not use it to solve the problems, but do them yourself first). The only negative is that I felt the book was not as sturdy as others I have used. The cover, by the end of my semester using it, was frayed at the corners. This was disappointing, but the damage was not too great.

I am currently using this book for an upper-level university course, and I don't believe it could be much worse. I am no geneticist, but I find errors on every other page and even in the accompanying solutions manual. My professor often mentions during class "Your book is wrong here" or "This is a typo" or "This is what they meant to say." I do realize that this is the first edition, but it seems almost as though the author wrote the book and never bothered to edit it. It's also quite wordy and usually a bore to read. Overall, the book stinks. Molecular Biology of the Cell 5 is more helpful in this class and it's not even a Genetics book.

A supposedly really tough subject. I found the book helpful because the author covers the topics well through easy to understand examples, explanation, and problems.

I am satisfied with the book that came. Genetics is such as an amazing class and now this book will help with taking over the world with genetic manipulation.

This book will help me because I am not very good at genetics. It even comes with a CD, which I am planning to play it whenever I need to!

The most useful features in this book are "analytical approaches to solving genetics problems" and "questions and problems" at the end of each chapter. Many of the pictures and diagrams are also nice. However, the writing style tends to be rather dreary and over wordy, which is great for insomniacs, but horrible for those who actually want to learn something. Most of the material is presented in a manner best "learned" by memorization, rather than understanding. As seems to be typical of many biology texts, the "what" is emphasized over the "how" and "why". The sections that

approach genetics from a molecular level tend to be better than the others, but the writing style is still too verbose. Probabilities are treated in a fast and loose manner, but I am willing to concede that such use may be common among geneticists. I also found several errors and typos in many of the chapters. I tend to find genetics intrinsically interesting and this book could be worse, but if my only exposure to genetics were through this book, I would probably like the field about as much as I would like to work with potassium cyanide.

As a second year biology major I have read a good deal of science books. They are generally fairly dry, however, *iGenetics: A Mendelian Approach* was especially bad. There are numerous instances where they book mislabels figures and where the book is flat out wrong. For instance, in two different chapters the book reviews Mendel's two laws. The explanations of the differences between the laws are different in each chapter. This is the basis of the Mendelian Approach and the book gets it wrong. I would like to be able to say that the issues were fixed in the second edition but that was never released. Beyond this the book was dryer than normal and very wordy. This year my college switched to Russel's introductory biology book and it seems that it has the same issues. I would avoid if possible. One good aspect of this book is the introduction to molecular techniques.

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