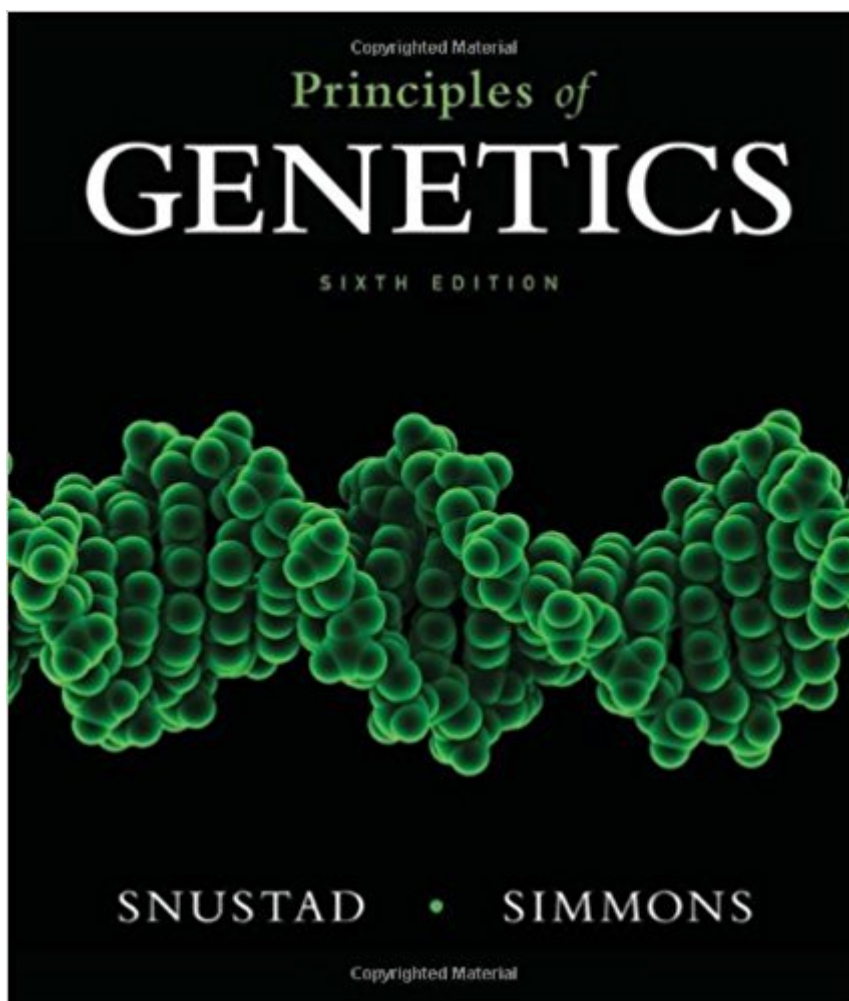


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# Principles Of Genetics



## Synopsis

Principles of Genetics is one of the most popular texts in use for the introductory course. It opens a window on the rapidly advancing science of genetics by showing exactly how genetics is done. Throughout, the authors incorporate a human emphasis and highlight the role of geneticists to keep students interested and motivated. The sixth edition has been updated to reflect the latest developments in the field of genetics. Principles of Genetics continues to educate today's students for tomorrow's science by focusing on features that aid in content comprehension and application.

## Book Information

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## Customer Reviews

Principles of Genetics, 6e balances key content and problem solving so that students can apply what they are reading to help solve related problems. Instructors and students can feel confident that they have the following in-text tools and supplements they need to succeed in the genetics course: In-Text tools Test Your Problem-Solving Skills feature shows students how to approach and solve a key problem. In addition, a Solve It icon prompts students to go online to work with animated tutorials. Practice problems for all question types are found at the end of each chapter. The Focus On boxes (one per chapter) have been revised to include the most current developments in genetics as well as the most relevant topics to students. A streamlined topical coverage, vetted by a panel of genetics instructors, makes for a text that is manageable in size. This textbook will provide instructors and students with in-depth explanations of key topics frequently covered in a one-semester course. On-Line Tools Animated solutions to the Solve It prompts in the text utilize

Camastia Studio software, a registered trademark of TechSmith Corporation. These tutorials provide step-by-step solutions that appear as if they are written out by hand as an instructor voice-over explains each step. GO Problem tutorials help students build confidence as they observe a problem being worked out and then attempt to solve a similar problem on their own.

D. Peter Snustad is a Professor Emeritus at the University of Minnesota, Twin Cities. He received his B.S. degree from the University of Minnesota and his M.S. and Ph.D. degrees from the University of California, Davis. He began his faculty career in the Department of Agronomy and Plant Genetics at Minnesota in 1965, became a charter member of the new Department of Genetics in 1966, and moved to the Department of Plant Biology in 2000. During his 43 years at Minnesota, he taught courses ranging from general biology to biochemical genetics. His initial research focused on the interactions between bacteriophage T4 and its host, *E. coli*. In the 1980s, his research switched to the cytoskeleton of *Arabidopsis* and the glutamine synthetase genes of corn. His honors include the Morse-Amoco and Dagley Memorial teaching awards and election to Fellow of the American Association for the Advancement of Science. A lifelong love of the Canadian wilderness has kept him in nearby Minnesota. Michael J. Simmons is a Professor in the Department of Genetics, Cell Biology and Development at the University of Minnesota, Twin Cities. He received his B.A. degree in biology from St. Vincent College in Latrobe, Pennsylvania, and his M.S. and Ph.D. degrees in genetics from the University of Wisconsin, Madison. Dr. Simmons has taught a variety of courses, including genetics and population genetics. He has also mentored many students on research projects in his laboratory. Early in his career he received the Morse-Amoco teaching award from the University of Minnesota in recognition of his contributions to undergraduate education. Dr. Simmons's research focuses on the genetic significance of transposable elements in the genome of *Drosophila melanogaster*. He has served on advisory committees at the National Institutes of Health and was a member of the Editorial Board of the journal *Genetics* for 21 years. One of his favorite activities, figure skating, is especially compatible with the Minnesota climate.

This is one of the best textbooks that I have seen. First it seems exceptionally complete and does not shy away from being challenging at times. The explanations are clear and precise. It is well illustrated. Its coverage of genetics from basic concepts to advanced concepts is ideal for serious classes in Biology majors who expect to go further. The book also introduces the student to a resource that is immensely useful in research: The National Center for Biotechnology Information database (<http://www.ncbi.nlm.nih.gov>). The book has inspired me to research the subject further.

I had wanted a book maybe titled "Genetics for Dummies", but having found none, I settled for this one. Genetics - granted - is aVERY difficult subject, and I was hoping this might come just a little close to my hopes. No dice. This a a large, heavy TEXTBOOK on the subject, and it's taking me more than a WEEK (not reading everyday) to just get past the 2 or 3 page introduction.. Very complex subject (of course), and I would presume perfect for those who have a \*little\* background in basic biology. [Musician don't get biology courses in their degree programs.] Small font, compact chapters and sub-chapters. I intend to stay with it a little longer, with hope that it will begin to 'clarify' soon. A fairly large book: 11" x 9" x 1-1/2" thick. Well illustrated.

... not really fun to read, but it was as expected.

Lends itself to be read, does not over-complicate concepts. Some end-of-chapter questions are written vaguely. I only read up till chapter 19, but I enjoyed what I read.

I am majoring in Psychology with little background on Genetics.I purchased this book to prepare for the GRE Subject test (Biochemistry, Cell & Molecular Biology) and i couldn't be more pleased with my order!The explanations are easy to follow but the text covers ALL major aspects of Genetics (Classic & Modern). The illustrations are top notch.I preferred this edition over the newer one because of the price tag. It's 50% cheaper and the ONLY difference is in the cosmetics of the pictures.

The kindle version of this book is very easy to navigate, looks great and is much easier to carry around then the physical book. The book also opens up quickly and had little load time when navigating the book. My only complaint is there was a couple times that a portion of the book was absent or "cut out". This was not a weird loading error because the page would always show up with the portion missing. Also, I don't think you can open this book through the kindle app on another computer.

Bought it for my Genetics course... Really well written. I will probably keep this book for the rest of my life.

used it all the time in my genetics class, I really loved that it was hole punched so that i can put it in

a binder and take notes right next to the page.

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