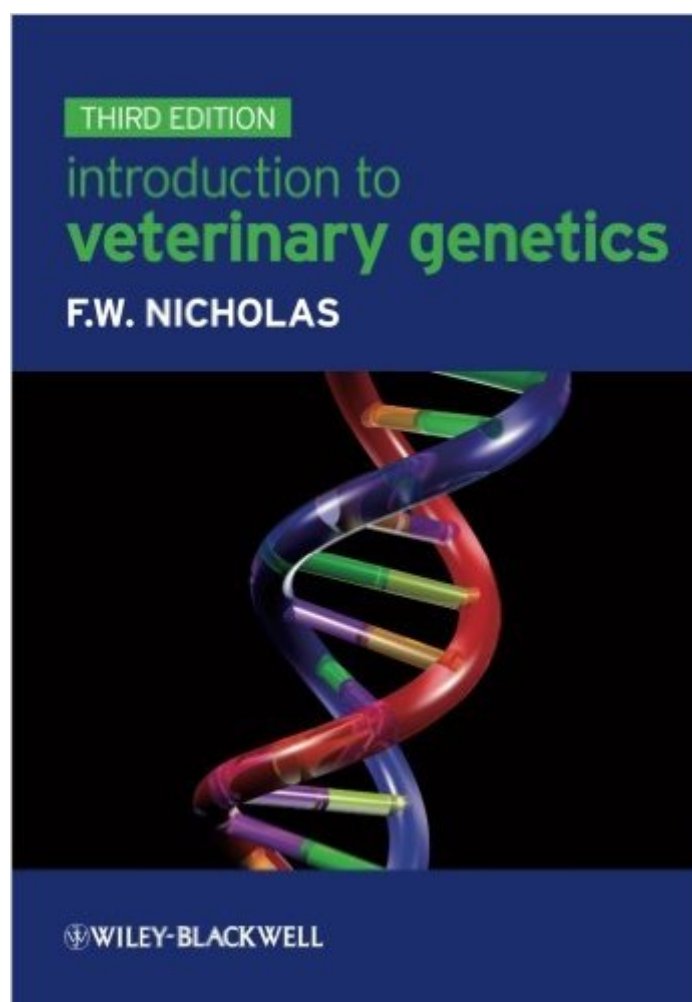


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# Introduction To Veterinary Genetics



## Synopsis

The concepts of veterinary genetics are crucial to understanding and controlling many diseases and disorders in animals. They are also crucial to enhancing animal production. Accessible and clearly presented, *Introduction to Veterinary Genetics* provides a succinct introduction to the aspects of genetics relevant to animal diseases and production. Now in its third edition, this is the only introductory level textbook on genetics that has been written specifically for veterinary and animal science students. Coverage includes: basic genetics, molecular biology, genomics, cytogenetics, immunogenetics, population genetics, quantitative genetics, biotechnology, and the use of molecular tools in the control of inherited disorders. This book describes in detail how genetics is being applied to artificial selection in animal production. It also covers the conservation of genetic diversity in both domesticated and wild animals. New for the Third Edition: End-of-chapter summaries provide quick recaps. Covers new topics: epigenetics, genomics and bioinformatics. Thoroughly revised according to recent advances in genetics. *Introduction to Veterinary Genetics* is still the only introductory genetics textbook for students of veterinary and animal science and will continue to be an indispensable reference tool for veterinary students and practitioners alike.

## Book Information

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## Customer Reviews

As a more scientifically-oriented dog breeder taking an online course in veterinary genetics, I found this book to be quite useful at developing my understanding of genetics and in offering me a better foundation for understanding genetic testing that is now available in most dog breeds. The book

covered topics that are not generally covered in many general dog breeding books or even (currently available) dog genetics books (e.g., chapters 8,9, 10, 13 to end of the book). One wonders why basic genetics is not covered in every dog breeding book given the advent of genetic testing, some of which is valuable and some of which (if carried to the extreme or inappropriately applied) can have devastating consequences for the breed. Although this book is not targeted at the dog breeder, I think a few of the (dig deeper type) breeders would find it very useful. On the other hand, as a business woman, I see this book as targeting mainly a veterinary student/veterinarian and on the fringes, the more serious dog breeder. We need veterinarians who understand the challenge facing dog breeders and I think this book will help develop those people. The average dog breeder would probably find the level of the now out-of-print dog breeder genetics book by Jackie Isabell ("Genetics: An Introduction for Dog Breeders," 2002) more readable. Still there are a few of us dog breeders who want more and "Introduction to Veterinary Genetics" offers additional depth at the individual dog level, along with a view of genetics at the population level.

Used this book in my veterinary biostatistics class. It is easy to follow, and fairly clear in getting the information across. Quite readable, you can get through the whole book in a couple of days and then refer back to it as necessary. The chapters are short with practice questions and answers in each. Would recommend it if you need a basic understanding of T-tests, F-tests, ANOVA, linear and multiple regression, Chi-square, etc. The book is meant to be used with a statistics package, not as a stand-alone for learning how to perform the calculations yourself. It gives you the concept and an example, then refers you to a statistics package to perform the calculations. This was reasonable to me since that is what you will do in real life anyway. It then goes through understanding the output of the calculations performed.

I purchased this as it was the required text for a course I'm taking. A basic understanding of genetics and the taxonomy of the subject is helpful (there is a glossary in back) as this is not a truly "basic" intro to the subject of genetics in general. There is no question that Dr. Frank Nicholas is one of the pre-eminent researchers and theorists in veterinary genetics. This book is a goldmine of information regarding the subject of veterinary genetics, arguably the most comprehensive guide on the subject.

Incredibly fast shipping, MORE than excellent condition. Product rose above expectation. Wonderful seller. Purchased this book for a future course by the Institute of Canine Biology. This along with

F.W. Nicholas's original Veterinary Genetics allows me to be fully armed with resource information and material to excel in this course work.

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