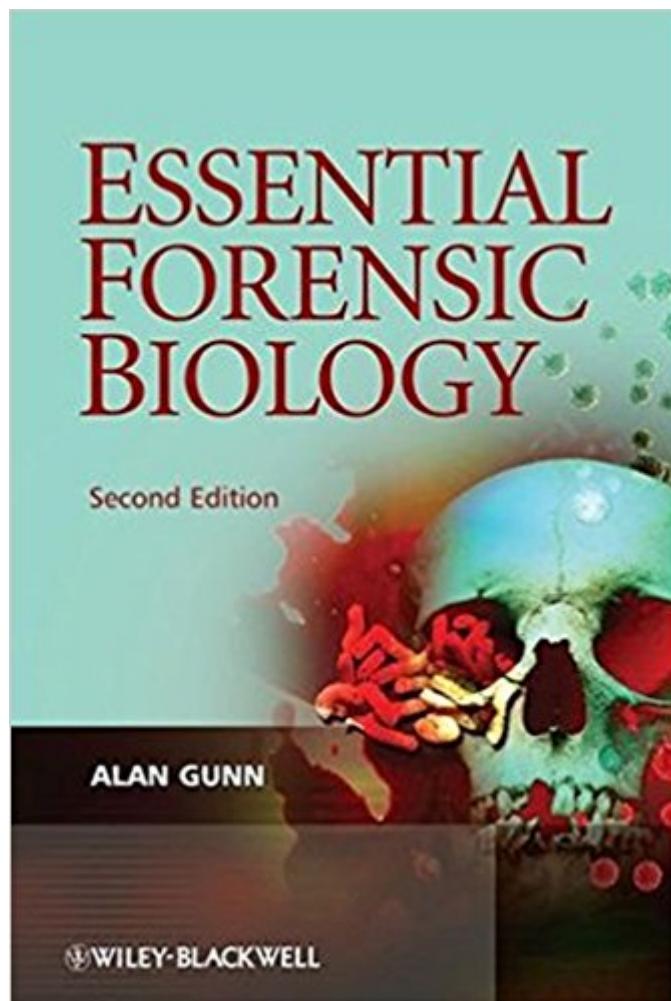


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# Essential Forensic Biology



## Synopsis

This book is an introduction to the application of biology in legal investigations. Fully revised and updated throughout, the second edition of this highly successful textbook offers an accessible overview to the essentials of the subject providing a balanced coverage of the range of organisms used as evidence in forensic investigations; invertebrates, vertebrates, plants and microbes. The book provides an overview of the decay process and discusses the role of forensic indicators â “ human fluids and tissues, including blood cells, bloodstain pattern analysis, hair, teeth, bones, and wounds. It also examines the study of forensic biology in cases of suspicious death. The coverage of molecular techniques has been expanded throughout with additional material on bioterrorism and wildlife forensics now included. The use of DNA and RNA for the identification of individuals and their personal characteristics is now covered along with a discussion of the ethical issues associated with the maintenance of DNA databases. â ¢ Fully revised and updated new edition of this highly successful textbook. â ¢ Includes self-assessment questions at the end of each chapter and case studies. â ¢ Now in full colour throughout. â ¢ Includes a supplementary website ([www.wileyeurope.com/college/gunn](http://www.wileyeurope.com/college/gunn)) covering additional material and self-test questions to reinforce student understanding. From the reviews of the first edition: "The author does an excellent job of demonstrating how biological science can, and does, contribute to legal investigationsâ |" THE QUARTERLY REVIEW OF BIOLOGY "â |a super book â |not a book that will languish on library shelves. Buy it!" JOURNAL OF BIOLOGICAL EDUCATION "â |naturalists and biologists will find much of interest within these booksâ |new light on the application of their own specialism..." THE NATURALIST "Overall, I give it my highest recommendation. I was unable to find a single paragraph that was not fascinating, despite being sad or gruesome at times." E-STREAMS

## Book Information

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## Customer Reviews

"Throughout the book there are many excellent diagrams and charts. The book is also very well illustrated with colour photographs to explain and expound the given subject. The collation of these photographs must have been in itself a mammoth task." (Rob Jerrard, May 2010) "If it is entomology you are interested in, this is the book for you." (Australian Biochemist, April 2010) "Gunn presents an introductory textbook on the application of biological science in legal investigations." (Book News, September 2009)

Essential Forensic Biology, Second Edition is an introduction to the application of biology in legal investigations. Fully revised and updated throughout, the second edition of this highly successful textbook offers an accessible overview to the essentials of the subject providing a balanced coverage of the range of organisms used as evidence in forensic investigations; invertebrates, vertebrates, plants and microbes. The book provides an overview of the decay process and discusses the role of forensic indicators – human fluids and tissues, including blood cells, bloodstain pattern analysis, hair, teeth, bones, and wounds. It also examines the study of forensic biology in cases of suspicious death. The coverage of molecular techniques has been expanded throughout with additional material on bioterrorism and wildlife forensics now included. The use of DNA and RNA for the identification of individuals and their personal characteristics is now covered along with a discussion of the ethical issues associated with the maintenance of DNA databases.

• Fully revised and updated new edition of this highly successful textbook.

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Reviews of the First Edition "The author does an excellent job of demonstrating how biological science can, and does, contribute to legal investigations" (The Quarterly Review of Biology, March 2007) "a super book – not a book that will languish on library shelves. Buy it!" (Journal of Biological Education, Spring 2007) "naturalists and biologists will find much of interest within these books – new light on the application of their own specialism..." (The Naturalist, 2007)

I purchased this book for a DNA Forensics course and loved it. A few of the images may be

disturbing to some, but it accurately depicts the realities faced by forensic biologists and investigators each day. Without the book, I would not have done nearly as well in the course; it is descriptive and thoroughly explains many of the methods used in forensic investigation.

Bought this for a class and it was actually pretty fascinating; better than my other forensics textbooks.

Best book I have read on the subject

Good textbook that is required my for MS in Biology course.

Excellent

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