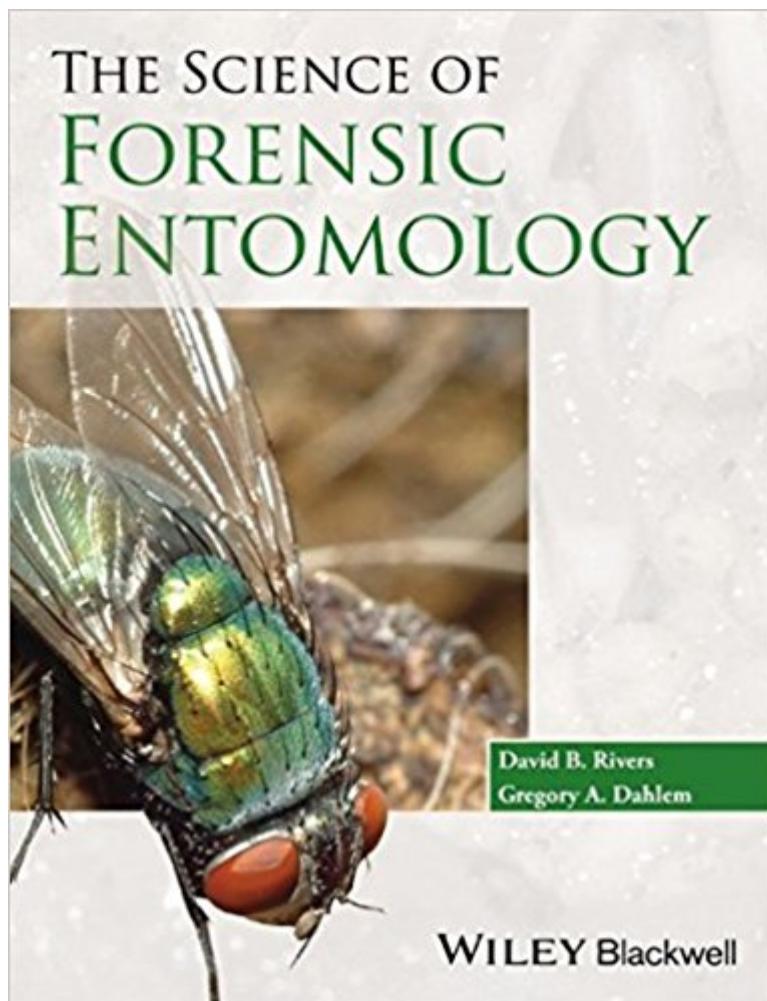


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# The Science Of Forensic Entomology



## Synopsis

The Science of Forensic Entomology builds a foundation of biological and entomological knowledge that equips the student to be able to understand and resolve questions concerning the presence of specific insects at a crime scene, in which the answers require deductive reasoning, seasoned observation, reconstruction and experimentation—features required of all disciplines that have hypothesis testing at its core. Each chapter addresses topics that delve into the underlying biological principles and concepts relevant to the insect biology that forms the bases for using insects in matters of legal importance. The book is more than an introduction to forensic entomology as it offers in depth coverage of non-traditional topics, including the biology of maggot masses, temperature tolerances of necrophagous insects; chemical attraction and communication; reproductive strategies of necrophagous flies; archaeoentomology, and use of insects in modern warfare (terrorism). As such it will enable advanced undergraduate and postgraduate students the opportunity to gain a sound knowledge of the principles, concepts and methodologies necessary to use insects and other arthropods in a wide range of legal matters.

## Book Information

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## Customer Reviews

"Overall, I believe that this book has achieved its goal of presenting a thorough introduction to forensic entomology (as well as a number of related topics) to undergraduate and graduate students. The core chapters in particular are informative and include useful lists of references and notes." (Bulletin of the Entomological Society of Canada 2015)

Forensic entomology is one of the newest sub-disciplines to be recognized by international judicial systems in countries located on every continent. Arguably it deals with the most unpleasant evidence of all disciplines—fly maggots that feed on a corpses. Although this text provides coverage of the three sub-fields of Forensic entomology—Urban, Stored Product, and Medicocriminal—it is the latter that is the core of the book. The Science of Forensic Entomology builds a foundation of biological and entomological knowledge that equips the student to be able to understand and resolve questions concerning the presence of specific insects at a crime scene, in which the answers require deductive reasoning, seasoned observation, reconstruction and experimentation—features required of all disciplines that have hypothesis testing at its core. Each chapter addresses topics that delve into the underlying biological principles and concepts relevant to the insect biology that forms the bases for using insects in matters of legal importance. The book is more than an introduction to forensic entomology as it offers in depth coverage of non-traditional topics, including the biology of maggot masses, temperature tolerances of necrophagous insects; chemical attraction and communication; reproductive strategies of necrophagous flies; archaeoentomology, and use of insects in modern warfare (terrorism). As such it will enable advanced undergraduate and postgraduate students the opportunity to gain a sound knowledge of the principles, concepts and methodologies necessary to use insects and other arthropods in a wide range of legal matters.

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