Introduction To Population Biology

Provides a quantitative and Darwinian perspective on population biology, with problem sets, simulations and worked examples to aid the student.How do plant and animal populations change genetically to evolve and adapt to their local environments? How do populations grow and interact with one another through competition and predation? How does behaviour influence ecology and evolution? Introduction to Population Biology covers all these areas and more. Taking a quantitative and Darwinian perspective, the basic theory of population processes is developed using mathematical models. To allow students of biology, ecology and evolution to gain a real understanding of the subject, key features include: sAeA step-by-step instructions for spreadsheet simulations of many basic equations to explore the outcomes or predictions of models sAeA worked examples showing how the equations are applied to biological questions sAeA problem sets together with detailed solutions to help the reader test their understanding sAeA real-life examples to help the reader relate the theory to the natural world EAN/ISBN : 9780511075582 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Neal, Dick

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