



ltsn
Learning and Teaching
Support Network

Bioscience

Reviewer:

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Details of Book:

Title: Principles of Genetics (Second Edition)
Study Guide and Problems Workbook
Acetates
CD-ROM Version 1

Date/Edition: 2000

Author(s): Snustad, D.P. and Simmons, M.J.

Publisher/Distributor: John Wiley and Sons, Inc.

Supplier(s): Baffins Lane, Chichester, West Sussex, PO19 1UD, UK

Price: Principles of Genetics (Second Edition) £29.95
Study Guide and Problems Workbook £16.99
Acetates £140.00
CD-ROM £32.50

ISBN: 0-471-29800-X, 0-471-35878-9, 0-471-35872-X, 0-471-35873-8

Description: Genetics Textbook, Study Guide and problems workbook for student use
and acetates and CD-ROM with question bank for instructors use.

Further Information:

Intended audience level (e.g. A Level, undergraduate, access): Undergraduate
Biology/Genetics students

Area of application: Cellular and Molecular Biology, Genetics, Systematics, Medicine

Summary:

Academic Content:	<input type="checkbox"/> Poor	<input type="checkbox"/> Below Average	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Above Average
Usefulness to student:	<input type="checkbox"/> Poor	<input type="checkbox"/> Below Average	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Above Average
Usefulness to teacher:	<input type="checkbox"/> Poor	<input type="checkbox"/> Below Average	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Above Average
Meets objectives:	<input type="checkbox"/> Poor	<input type="checkbox"/> Below Average	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Above Average
Accuracy:	<input type="checkbox"/> Poor	<input type="checkbox"/> Below Average	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Above Average

Review:

Textbook

Principles of Genetics by Peter Snustad and Michael Simmons has established itself amongst core Genetics textbooks that are recommended to undergraduate students and appears on many reading lists. The second edition has been updated and the information presented reflects current developments in genetics. It covers most aspects of the science of genetics clearly and accurately. It is nicely presented with clear coloured diagrams and is appealing to students. The structure of the book reflects that of many traditional genetics courses in that it covers classical genetics before molecular genetics and the genetic control of biological processes. This chronological development is accompanied by historical references and illustrations. The text is interspersed with interviews with people who have made major contributions to our understanding of genetics. Self-test questions, with answers, are available in each chapter

The text is clearly written and easy to follow despite covering complex processes, the colour diagrams are clearly and simply drawn. This book is widely used by undergraduates and is clearly appealing as they choose to buy it. Comparable texts are listed below. However, unlike other comparable texts there is no accompanying CD-ROM or Internet site providing animations or multiple choice questions for students.

Comparable textbooks

Griffiths, A.J.F., Miller, J.H., Suzuki, D.T., Lewontin, R.C. and Gelbart, W.M. 1999 An introduction to genetic analysis. W.H. Freeman and Co. ISBN 0-7167-3771-X
With accompanying CD-ROM and links to Internet site for students.

Hartl, D.L. and Jones, E.W. Genetics: principles and analysis. 1998 Jones and Bartlett ISBN 0-7637-0489-X
With companion CD-ROM for students.

Klug, W.S. and Cummings, M.R. 1997 Concepts of Genetics. 5th Edition. Prentice Hall International Editions. ISBN 0-13-724410-X.

Russell, P.J. Genetics. Addison Wesley ISBN 0-321-00038-2

Weaver, R.F. and Hedrick, P.W. 1992 Genetics. Wm. C. Brown Publishers. ISBN 0-697-10027-9.

Acetates

Clear coloured acetates of substantial number of figures from the textbook. Any individual lecturer is likely to find some of these acetates useful but would be unlikely to use the majority of them. They could be shared between colleagues but are expensive. Few departments would be able to afford this luxury but would, no doubt, welcome them as a gift.

Study Guide and Problems Workbook

The study guide and problems workbook is intended for self-directed study by students. Summaries and self-test questions are available. Feedback is relatively helpful but students would need a high level of motivation to work through this book.

Instructor's resource manager CD-ROM

This CD-ROM contains electronic figures from the textbook that can be edited, for example by adding additional labelling. For example, diagrams can be imported into a PowerPoint presentation or printed onto acetates.

When you find it there is a Word file with useful learning objectives and summaries of lecture content. Written in a rather chatty style there are some useful suggestions of how material might be delivered. A bank of questions are also available in a range of formats: right/wrong, multiple choice and interest the missing word. However, I did not find a programme to create tests automatically from these questions on the CD-ROM and they would need to be checked for accuracy. It is worth reading the "readme" file before you start using this CD-ROM.