

Introductory Physical Geology

Laboratory Manual



Greg P. Gardiner
Susan Wilcox

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Physical Geology Jeffrey R. Knott, Wayne Henderson, Kristin Weaver Bowman, Patricia Butcher, 2016-08-02 This book is intended for an introductory geology class for nonscience majors The seven chapters minerals rocks geologic history earthquakes and geologic hazard maps in this textbook provide the fundamentals of a 15 week introductory geology laboratory course The homework chapters on plate tectonics the rock cycle and topographic maps may be used as review or introduction to digitally delivered lab assignments on these topics Optimally this manual is used in conjunction with digitally delivered assignments and local field trips For the instructor this textbook provides the common topics that are covered in an introductory geology lab class This provides the introductory framework after which the instructor includes local elements into the curriculum Many of the labs have a clear answer sheet that makes turning in assignments easy as well as a short directed easily graded writing assignments Students benefit from not having to purchase a full 15 20 chapter manual from which only 10 15 chapters are used The pre lab reading is directed at the information required to complete the lab tasks which means that the manual is independent any additional general lecture class

Physical Geology Laboratory Text and Manual Central Michigan University Edition CMU Staff, 1993-07-01

Physical Geology J. Bret Bennington, Charles Merguerian, 2003-05-30 The Sixth Edition of the Introductory Geology Lab Manual by J Bret Bennington and Charles Merguerian is being distributed by McGraw Hill Publishers The manual offers twelve integrated hands on laboratory modules with major emphasis on mineral and rock identification map reading and interpretation and earthquakes The manual features an appendix on the geology of the southern part of the New England Appalachians but could be easily customized for adoption in other regions of the country In a concise no frills and cost effective manner it covers the major topics in Physical Geology and is appropriate for both science and non science majors The manual s primary focus is basic and simple in that it employs methods of logical and inductive reasoning It has been rigorously tested for effectiveness at the undergraduate level over the past ten years the writing style is crisp and the graphics diagrams and tables are easy to read and understand This 185 page manual is priced inexpensively and has removable worksheets

Laboratory Manual for Physical Geology Charles E. Jones, Norris W. Jones, 2012-02-22 If it s important for you to incorporate the scientific method into your teaching this lab manual is the perfect fit In every exercise there are scientific method boxes that provide students with insight into the relevance of the scientific method to the topic at hand The manual also includes In Greater Depth problems a more challenging probe into certain issues They are more quantitative in nature and require more in depth critical thinking which is unique to this type of manual

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Physical Geology Laboratory Manual Karen M Woods,2013-07-30 [Geoscience Laboratory Manual, Instructor's Manual](#) Tom Freeman,2004-09-10 This easy to use easy to learn from laboratory manual for physical geology employs an interactive question and answer format that engages the student right from the start of each exercise Tom Freeman an award winning teacher with 30 years experience takes a developmental approach to learning that emphasizes principles over rote memorization His writing style is clear and inviting and he includes scores of helpful hints to coach students as they tackle problems The Third Edition of this loose leaf manual features brand new exercises data and graphics All new exercises have been field tested and they contain more real world examples and Web links The instructor s guide has been expanded and provides more information on current changes in the field

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Introductory Physical Geology Laboratory Manual - Text ,2015-02-23

Laboratory Manual for Introductory Geology Allan Ludman,Stephen Marshak,2011-12-28 The best selling geology manual revised and enhanced Adopted at over 125 school in its First Edition the completely revised and tested Second Edition of the Ludman Marshak Laboratory Manual for Introductory Geology contains inquiry based exercises rock group labs and a modern treatment of geologic mapping The Second Edition enhances the strengths of the First Edition with even better visuals enhanced photos maps charts and figures and it also reflects new innovations in geologic mapping

Physical Geology Lab Manual (First Edition) Elisheva Pauli,2011-10-14

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Laboratory Manual for Distance Learning Coast Learning Systems,2014-07-14 **Historical Geology Lab Manual**
Pamela J. W. Gore,2014-05-27 This lab manual is accessible to science and nonscience majors and also provides a strong
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the end of the semester the students have experience at interpreting the rock record and an understanding of how the
process of science works *Introductory Physical Geology* Greg P. Gardiner,Susan Wilcox,Coast Learning Systems,2011
 Physical Geology Laboratory Manual Karen M. Woods,2006-08 Laboratory Manual for Physical Geology Norris W.
Jones,1995

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