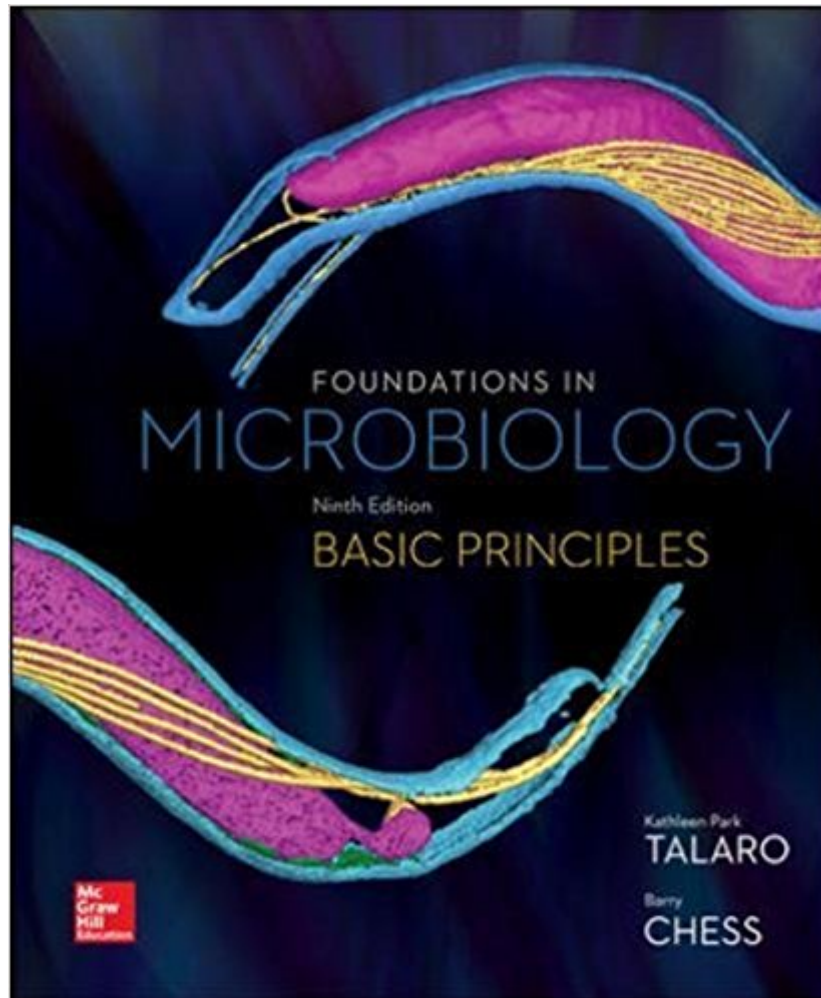




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Foundations In Microbiology: Basic Principles



Synopsis

NOTE: The book contains chapters 1-17 Talaro/Chess: Foundations in Microbiology is an allied health microbiology text for non-science majors with a taxonomic approach to the disease chapters. It offers an engaging and accessible writing style through the use of tools such as case studies and analogies to thoroughly explain difficult microbiology concepts. The newest of these features includes the Secret World of Microbes and Quick Search. We are so excited to offer a robust learning program with student-focused learning activities, allowing the student to manage their learning while you easily manage their assessment. Revised art and updated photos help concepts stand out. Detailed reports show how your assignments measure various learning objectives from the book (or input your own!), levels of Bloom's Taxonomy or other categories, and how your students are doing. The Talaro Learning program will save you time while improving your students success in this course. Users who purchase Connect Plus receive access to the full online ebook version of the textbook, including SmartBook! TABLE OF CONTENTS: 1. The Main Themes of Microbiology 2. The Chemistry of Biology 3. Tools of the Laboratory: Methods of Studying Microorganisms 4. A Survey of Prokaryotic Cells and Microorganisms 5. A Survey of Eukaryotic Cells and Microorganisms 6. An Introduction to Viruses 7. Microbial Nutrition, Ecology, and Growth 8. An Introduction to Microbial Metabolism: The Chemical Crossroads of Life 9. Microbial Genetics 10. Genetic Engineering: A Revolution in Molecular Biology 11. Physical and Chemical Agents for Microbial Control 12. Drugs, Microbes, Host--The Elements of Chemotherapy 13. Microbe-Human Interactions: Infection, Disease, and Epidemiology 14. An Introduction to Host Defenses and Innate Immunities 15. Adaptive, Specific Immunity and Immunization 16. Disorders in Immunity 17. Procedures for Identifying Pathogens and Diagnosing Infections

Book Information

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Customer Reviews

Barry Chess has been teaching microbiology at Pasadena City College for over 15 years. He received his Bachelor's and Master's degrees from California State University, Los Angeles, and did several years of postgraduate work at the University of California, Irvine, where his research focused on the expression of eukaryotic genes involved in the development of muscle and bone. At Pasadena City College, Barry developed a new course in human genetics and helped to institute a biotechnology program. He regularly teaches courses in microbiology, general biology, and genetics, and works with students completing independent research projects in biology and microbiology. Over the past several years, Barry's interests have begun to focus on innovative methods of teaching that lead to greater student understanding. He has written cases for the National Center for Case Study Teaching in Science and presented talks at national meetings on the use of case studies in the classroom. In 2009, his laboratory manual, *Laboratory Applications in Microbiology: A Case Study Approach*, was published. He is thrilled and feels very fortunate to be collaborating with Kathy Talaro, with whom he has worked in the classroom for more than a decade, on this ninth edition. Barry is a member of the American Society for Microbiology and regularly attends meetings in his fields of interest, both to keep current of changes in the discipline and to exchange teaching and learning strategies with others in the field.

Kathleen Park Talaro is a microbiologist, educator, author, and artist. She has been nurturing her love of microbiology since her youth growing up on an Idaho farm where she was first fascinated by tiny creatures she could just barely see swimming in a pond. This interest in the microbial world led to a biology major at Idaho State University, where she worked as a teaching assistant and scientific illustrator for one of her professors. This was the beginning of an avocation that she continues today—that of lending her artistic hand to interpretation of scientific concepts. She continued her education at Arizona State University, Occidental College, California Institute of Technology, and California State University. She has taught microbiology and major's biology courses at Pasadena City College for 30 years, during which time she developed new curricula and refined laboratory experiments. She has been an author of, and contributor to, several publications of the William C. Brown Company and McGraw-Hill Publishers since the early 1980s, first illustrating and writing for laboratory manuals and later developing this textbook. She has also served as a coauthor with Kelly

Cowan on the first two editions of Microbiology: A Systems Approach. Kathy continues to make microbiology a major focus of her life and is passionate about conveying the significance and practical knowledge of the subject to students, colleagues, family, friends, and practically anyone who shows interest. In addition to her writing and illustration, she keeps current attending conferences and participating in the American Society for Microbiology and its undergraduate educational programs. She is gratified by the many supportive notes and letters she has received over the years from devotees of microbiology and users of her book. She lives in Altadena, California, with husband Dave Bedrosian, and son David. Whenever she can, she visits her family in Idaho. In her spare time, she enjoys photography, reading true crime books, music, crossword puzzles, and playing with her rescued kitties.

I ordered this book because I'm taking microbiology. Half way through the course I found out that this book only goes up to chapter 17 and it doesn't contain all the chapters that the regular book has in it. I am very disappointed because I ended up failing an exam because of this book.

Very disappointed in this because purchase. First of all I bought it for a summer class for 160\$ and it's not even the whole book. It only goes to chapter 17. I will be contacting the company for a return. This is very inconvenient for me because I am currently on this class and having to order another one. DONT NOT ORDER.

It's always great to save money when buying books required for classes. The one problem with this book is that it doesn't include the online access package, so we had to purchase that as well.

Better if had all the chapters. Missing 19-26

This is only the first half of the book! It stops at chapter 17. Do not waste your time and money on this book! Two weeks into my summer class and I don't have the necessary book.

This version of the book only has 17 chapters. It is NOT the full book. Waste of money.

Very disappointed, only first 17 chapters. Waste of money.

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