Contents

Acknowledgments v Explorations ix Laboratory Work for Each Part of the Course xi

Introduction 1 A Word to Future and Current Teachers 5 Reviewing Units, Mathematics, and Scientific Notation 7 Geometry Review 12 Review of Basic Trigonometry 14 Reviewing Graphs 16 Further Reading and Web Sites 21 Some Further Chapter Materials 25 Part One 25 Part One 25 Part Two 59 Laboratory Explorations 73 Suggested Mini-Laboratory Explorations 75 Suggested Major Laboratory Explorations 89