

Contents

Foundations of Human Movement

| | | |
|-------------------|--|------------|
| Part I | Foundations of Human Movement | 1 |
| Chapter 1 | Basic Movement Terminology | 2 |
| Chapter 1 | Basic Movement Terminology | 2 |
| Chapter 2 | Skeletal Considerations for Movement | 36 |
| Chapter 3 | Muscular Considerations for Movement | 70 |
| Chapter 4 | Neurological Considerations for Movement | 110 |
| Chapter 4 | Neurological Considerations for Movement | 110 |
| Part II | Functional Anatomy | 145 |
| Chapter 5 | The Upper Extremity | 146 |
| Chapter 6 | The Lower Extremity | 202 |
| Chapter 7 | The Trunk | 284 |
| Part III | Mechanical Analysis of Human Motion | 325 |
| Chapter 8 | Linear Kinematics | 326 |
| Chapter 9 | Angular Kinematics | 366 |
| Chapter 10 | Linear Kinetics | 392 |
| Chapter 11 | Angular Kinetics | 426 |
| Chapter 12 | Types of Mechanical Analysis | 458 |
| <i>Appendix A</i> | | 490 |
| <i>Appendix B</i> | | 498 |
| <i>Appendix C</i> | | 512 |
| <i>Appendix D</i> | | 514 |
| <i>Index</i> | | 519 |