# table of contable of contents

Preface x

# part 1

# Scientific Foundations 1

#### **CHAPTER 1**

WHAT IS STRESS? 2 What Can You Get Out of This Book and This Course? 3 The Pioneers 3 Stress Theory 8 *Life-Events Theory* 8 *Hardiness Theory* 8 Social Support Theory 8 The Stressor 9 Stress Reactivity 11 Strain 11 Gender Differences in Reactivity 11 A Definition of Stress 12 Stress Management Goals 14 The Way to Use This Book 14 Your Personal Stress Profile and Activity Workbook 14 The Stress Portfolio 15 "Getting Involved in Your Community" Boxes 15 COPING IN TODAY'S WORLD 19 SUMMARY 19 INTERNET RESOURCES 19 **REFERENCES** 20 LAB ASSESSMENT 1.1 WHAT CAUSES YOU STRESS? 23 LAB ASSESSMENT 1.2 WHY DO SOME OF YOUR STRESSORS RESULT IN A STRESS RESPONSE? 24

# CHAPTER 2

STRESS PSYCHOPHYSIOLOGY 25 The Brain 25 The Endocrine System 29 The Autonomic Nervous System 33 The Cardiovascular System 35 The Gastrointestinal System36The Muscles37The Skin38Symptoms, Stress, and You38

COPING IN TODAY'S WORLD 38 SUMMARY 39 INTERNET RESOURCES 39 REFERENCES 39 LAB ASSESSMENT 2.1 HOW MUCH DO YOU KNOW ABOUT STRESS PSYCHOPHYSIOLOGY? 41 LAB ASSESSMENT 2.2 WHAT ARE YOUR PHYSIOLOGICAL REACTIONS TO STRESS? 42

# CHAPTER 3

STRESS AND ILLNESS/DISEASE 43 Hot Reactors 43 Psychosomatic Disease 43 Stress and the Immunological System 44 Stress and Serum Cholesterol 47 Specific Conditions 49 Hypertension 49 Stroke 50 Coronary Heart Disease 51 Ulcers 53 Migraine Headaches 54 *Tension Headaches* 55 Cancer 56 Allergies, Asthma, and Hay Fever 56 Rheumatoid Arthritis 58 Backache 58 TMJ Syndrome 59 Obesity 60 Posttraumatic Stress Disorder 62 *Symptoms of PTSD* 62 Treatment of PTSD 62 Stress and Other Conditions 64 COPING IN TODAY'S WORLD 65

SUMMARY 66 INTERNET RESOURCES 66 REFERENCES 66 LAB ASSESSMENT 3.1 DO YOU KNOW WHAT TO DO FOR POSTTRAUMATIC STRESS DISORDER? 71 LAB ASSESSMENT 3.2 WHY DID YOU GET SICK AS A RESULT OF STRESS? 72 LAB ASSESSMENT 3.3 HOW ARE MY HEALTH INDICES? 73

# **CHAPTER 4**

STRESS AND THE COLLEGE STUDENT 75 The Younger College Student 76 Lifestyle Change 76 Grades 77 *Course Overload* 78 Finances 78 Friendship 82 Love 83 Sex 84 HIV/AIDS 86 Other Sexually Transmitted Infections 86 Prevention of Sexually Transmitted Infections 86 Acquaintance Rape 87 Shyness 89 Jealousy 90 Breakups 90 *Eating Disorders* 91 The Older College Student 93 Career and School 93 *Family and School* 94 Self-Doubt 94 The Minority College Student 95 Interventions 97 Life-Situation Interventions 97 Perception Interventions 99 Emotional Arousal Interventions 100 Physiological Arousal Interventions 101 COPING IN TODAY'S WORLD 101 SUMMARY 102 INTERNET RESOURCES 102 **REFERENCES** 102 LAB ASSESSMENT 4.1 BUDGETING WHILE IN SCHOOL: USING A WORKSHEET TO HELP MANAGE YOUR MONEY 105 LAB ASSESSMENT 4.2 HOW INTIMATE ARE YOUR FRIENDSHIPS? 106 LAB ASSESSMENT 4.3 WHAT TYPE OF LOVER ARE YOU? 107

# part 2

# **General Applications:** Life-Situation and Perception Interventions **109**

# **CHAPTER 5**

INTERVENTION 110 Coping with a Stressor 110 A Model of Stress 111 Feedback Loops in the Stress Model 113 Setting Up Roadblocks 113 Comprehensive Stress Management 114 Eustress and the Model 115 Taking Control 116 Making a Commitment 118 COPING IN TODAY'S WORLD 120 SUMMARY 120 INTERNET RESOURCES 121 REFERENCES 121 LAB ASSESSMENT 5.1 WHAT EUSTRESSORS HAVE

# **CHAPTER 6**

YOU EXPERIENCED? 123

LIFE-SITUATION INTERVENTIONS: INTRAPERSONAL 125 Eliminating Unnecessary Stressors 125 Nutrition and Stress 127 Noise and Stress 137 Life Events and Stress 138 Hassles and Chronic Stress 140 Success Analysis 140 COPING IN TODAY'S WORLD 143 SUMMARY 143 INTERNET RESOURCES 143 **REFERENCES** 144 LAB ASSESSMENT 6.1 WHAT IS YOUR RESTING METABOLIC RATE (RMR)? 145 LAB ASSESSMENT 6.2 WHAT STRESSFUL EVENTS DO YOU EXPERIENCE? 146 LAB ASSESSMENT 6.3 ARE YOUR LIFE EVENTS UNHEALTHY? 147 LAB ASSESSMENT 6.4 WHAT HASSLES DO YOU ENCOUNTER? 148

# CHAPTER 7

LIFE-SITUATION INTERVENTIONS: INTERPERSONAL 149 Asserting Yourself 149 Nonverbal Assertiveness 150 Verbal Assertiveness 151 Conflict Resolution 152 Communication 155 Nonverbal Communication 156 Verbal Communication 156 Emotional Intelligence 158 The Importance of Emotional Intelligence 158 *Ways to Develop Emotional Intelligence* 159 Technostress 159 Time Management 160 Assessing How You Spend Time 161 Setting Goals 161 Prioritizing 162 Scheduling 162 Maximizing Your Rewards 162 Saying No 162 Delegating 162 Evaluating Tasks Once 163 *Using the Circular File* 163 *Limiting Interruptions* 163 Investing Time 163 Social Support Networking 163 COPING IN TODAY'S WORLD 166 SUMMARY 167 **INTERNET RESOURCES** 167 **REFERENCES** 167 LAB ASSESSMENT 7.1 HOW ASSERTIVE ARE YOU? 169 LAB ASSESSMENT 7.2 HOW DO YOU RESOLVE CONFLICTS? 171 LAB ASSESSMENT 7.3 HOW IS YOUR SOCIAL SUPPORT? 172 LAB ASSESSMENT 7.4 WHAT IS YOUR ACTIVE LISTENING STYLE? 174 LAB ASSESSMENT 7.5 HOW EMOTIONALLY INTELLIGENT ARE YOU? 176

# **CHAPTER 8**

PERCEPTION INTERVENTIONS 179 Selective Awareness 179 Stop to Smell the Roses 181 Perspective and Selective Awareness 181 An Attitude of Gratitude 182 Humor and Stress 184 Type A Behavior Pattern 185 Self-Esteem 188 Locus of Control 190 Anxiety Management 192 Test Anxiety 192 Trait and State Anxiety 192 Panic Disorder 192 Social Phobia (Social Anxiety Disorder) 193 Specific Phobias 194 Coping Techniques 194 Resiliency 199 Hardiness 200

COPING IN TODAY'S WORLD 201 SUMMARY 201 INTERNET RESOURCES 202 REFERENCES 202 LAB ASSESSMENT 8.1 WHAT KIND OF SENSE OF HUMOR DO YOU HAVE? 207 LAB ASSESSMENT 8.2 ARE YOU A TYPE A? 209 LAB ASSESSMENT 8.3 HOW IS YOUR SELF-ESTEEM? 210 LAB ASSESSMENT 8.4 HOW IS YOUR PHYSICAL SELF-ESTEEM? 211 LAB ASSESSMENT 8.5 WHAT IS YOUR LOCUS OF CONTROL? 212 LAB ASSESSMENT 8.6 WHAT IS YOUR LEVEL OF TRAIT ANXIETY? 213 LAB ASSESSMENT 8.7 WHAT IS YOUR LEVEL OF TEST ANXIETY? 214 LAB ASSESSMENT 8.8 THE MEASUREMENT OF SOCIAL PHYSIQUE ANXIETY? 216 LAB ASSESSMENT 8.9 DO YOU HAVE IRRATIONAL BELIEFS? 217

# CHAPTER 9

SPIRITUALITY AND STRESS 219 Spiritual Health 219 Religion and Spirituality 220 Spirituality and Health 220 Spirituality and College Students 222 How Spirituality and Religion Affect Health 222 Control Theory 222 Social Support Theory 223 Spirituality, Social Support, and Terrorism 223 Placebo Theory 224 Forgiveness and Health 224 Volunteerism as a Spiritual and Healthy Activity 225 Service-Learning: A Spiritual and Academic Activity 226

Closing Thoughts on Spirituality, Health, and Managing Stress 228

COPING IN TODAY'S WORLD 230 SUMMARY 230 INTERNET RESOURCES 231 REFERENCES 231 LAB ASSESSMENT 9.1 HOW SPIRITUAL ARE YOU? 235 LAB ASSESSMENT 9.2 HOW FORGIVING ARE YOU? 237

part 3

**General Applications:** Relaxation Techniques **239** 

#### CHAPTER 10

MEDITATION 240 What Is Meditation? 240 Types of Meditation 240 Benefits of Meditation 241 Physiological Effects 242 Psychological Effects 243 How to Meditate 244 Other Types of Meditation 246 Making Time for Meditation 246 COPING IN TODAY'S WORLD 247 SUMMARY 248 INTERNET RESOURCES 248

INTERNET RESOURCES 248 REFERENCES 248 LAB ASSESSMENT 10.1 IS MEDITATION FOR YOU? 251

#### CHAPTER 11

AUTOGENIC TRAINING, IMAGERY, AND PROGRESSIVE RELAXATION 253 Autogenic Training 253 Benefits of Autogenic Training 254 Physiological Effects 254 Psychological Effects 254 How to Do Autogenic Training 255 Prerequisites 255 Body Position 255 Six Initial Stages of Autogenic Training 256 An Autogenic Training Experience 257 Imagery 259 Physiological Effects 260 Psychological Effects 261 Progressive Relaxation 261 Bracing 261 What Is Progressive Relaxation? 262

Benefits of Progressive Relaxation 263 How To Do Progressive Relaxation 263 COPING IN TODAY'S WORLD 271 SUMMARY 272 INTERNET RESOURCES 272 REFERENCES 272 LAB ASSESSMENT 11.1 IS AUTOGENIC TRAINING FOR YOU? 277 LAB ASSESSMENT 11.2 IS IMAGERY FOR YOU? 278 LAB ASSESSMENT 11.3 IS PROGRESSIVE RELAXATION FOR YOU? 279

#### CHAPTER 12

OTHER RELAXATION TECHNIQUES 281 Biofeedback 281 Benefits of Biofeedback 282 How to Relax Using Biofeedback 283 *How to Arrange for Biofeedback Training* 285 Diaphragmatic Breathing 285 Body Scanning 286 Body Scan Relaxation Exercise 287 Massage and Acupressure 288 Yoga and Stretching 288 Repetitive Prayer 291 Quieting Reflex 291 Instant Calming Sequence 292 Mindfulness 292 Music and Relaxation 293 Tai Chi 295 Pets and Stress 296 COPING IN TODAY'S WORLD 299 SUMMARY 300 INTERNET RESOURCES 300 **REFERENCES** 300 LAB ASSESSMENT 12.1 HOW DO YOU CAUSE STRESS, AND WHAT WILL YOU DO ABOUT IT? 305 LAB ASSESSMENT 12.2 PETS: STRESS BUSTERS IN SPITE OF IT ALL? 306

part 4

# **General Applications:** Physiological Arousal and Behavior Change Interventions **307**

CHAPTER 13 PHYSIOLOGICAL AROUSAL INTERVENTIONS 308 Exercise and Health 309

Aerobic and Anaerobic Exercise 309 Physical Health 309 *Psychological Health* 311 Can Physical Fitness and Exercise Make You Smarter? 314 The Healthy Way to Exercise 314 Principles of Exercise 316 *Intensity, Frequency, and Duration* 316 Assessing Your Cardiorespiratory Fitness 317 Starting an Exercise Program 317 How to Exercise 318 Do's and Don'ts 318 *Competition and Enjoyment* 319 Choosing an Exercise Program 320 Swimming 320 Rope Jumping 320 Bicycling 321 Walking 321 Jogging 322 Stretching 322 Weight Training 325 Exercise Guidelines 325 Exercise and the Elderly 325 Exercise—Keeping It Going 327

COPING IN TODAY'S WORLD 328 SUMMARY 329 INTERNET RESOURCES 329 REFERENCES 329 LAB ASSESSMENT 13.1 CAN YOU OVERCOME ROADBLOCKS TO EXERCISE? 331 LAB ASSESSMENT 13.2 CAN YOU DIFFERENTIATE BETWEEN EXERCISE MYTHS AND FACTS? 332

# CHAPTER 14

STRATEGIES FOR DECREASING STRESSFUL **BEHAVIORS** 333 Health and Lifestyle Behaviors 333 Health-Behavior Assessment 333 Selected Lifestyle Behaviors 333 Barriers to Action 334 Locus of Control 334 Methods for Decreasing Stressful Behaviors 334 Self-Monitoring 335 Tailoring 335 Material Reinforcement 336 Social Reinforcement 336 Social Support 337 Self-Contracting 337 *Contracting with a Significant Other* 337 Shaping 337

Reminders 338 Self-Help Groups 338 Professional Help 338 Application of Behavior Change Techniques 339 Example: Exercise 340 Behavior Change Theories and Stress 340 Stages of Change Theory 341 Health Belief Model 342 *Self-Efficacy Theory* 343 Goal-Setting Theory 344 COPING IN TODAY'S WORLD 344 SUMMARY 345 INTERNET RESOURCES 345 REFERENCES 346 LAB ASSESSMENT 14.1 ARE YOUR BEHAVIORS HEALTHY? 347 LAB ASSESSMENT 14.2 ARE YOUR LIFESTYLE BEHAVIORS HEALTHY? 349 LAB ASSESSMENT 14.3 WHAT ARE YOUR BARRIERS TO BEHAVING HEALTHFULLY? 350 LAB ASSESSMENT 14.4 DECREASING STRESSFUL BEHAVIORS: A GUIDE 351 LAB ASSESSMENT 14.5 CAN YOU USE BEHAVIOR CHANGE THEORY TO CHANGE YOUR BEHAVIOR? 352

# CHAPTER 15

DIVERSITY AND STRESS 355 Diverse Populations 355 Positive Aspects of Minority Status 356 An Introduction to Problems Faced by Minorities 357 Stressors Challenging Minorities 358 Health Status 360 National Health Objectives and Diversity 360 Infant Mortality 362 *Life Expectancy* 362 Years of Potential Life Lost 362 High Blood Pressure 363 Acquired Immune Deficiency Syndrome (AIDS) 364 Cancer 364 Mental Health 365 Poverty and Educational Level 365 Family Life 366 Homelessness 366 *Family Structure* 367 Age and Physical Challenges 369 Elders 369 People with Physical and Mental Challenges 371 Sexual Orientation 371

COPING IN TODAY'S WORLD 372 SUMMARY 373 INTERNET RESOURCES 373 REFERENCES 374 LAB ASSESSMENT 15.1 HOW HAS PREJUDICE AFFECTED YOUR LEVEL OF STRESS? 377 LAB ASSESSMENT 15.2 WHAT BIASES DO YOU POSSESS? 378 LAB ASSESSMENT 15.3 HOW WELL DO YOU KNOW DIVERSE GROUPS AND INDIVIDUALS? 379

# part 5

#### Specific Applications 381

#### CHAPTER 16

OCCUPATIONAL STRESS 382 What Is Occupational Stress? 382 Occupational Stress Cycle 383 Why Is Occupational Stress of Concern? 385 Gender and Occupational Stress 389 **Disease and Occupational Stress** 390 *Physiological Effects* 390 Disease States 390 Psychological Effects 391 Occupational Stressors 391 *Lack of Participation* 392 Role Problems 392 Job Dissatisfaction 393 The Work Environment 395 The Workaholic 395 Burnout 396 Women and Work Outside the Home 398 *Types of Jobs and Wages* 398 Coping with Work Stress 399 Women and Retirement 399 Family-Friendly Work-Related Policies 400 Work-Family Balance 403 Working in the Home 404 Interventions 406 Life-Situation Interventions 406 Perception Interventions 406 *Emotional Arousal Interventions* 407 Physiological Arousal Interventions 408 Managing Occupational Stress 408 COPING IN TODAY'S WORLD 409 SUMMARY 409

INTERNET RESOURCES 410 REFERENCES 410 LAB ASSESSMENT 16.1 DO YOU HAVE OCCUPATIONAL STRESS? 415 LAB ASSESSMENT 16.2 ARE YOU A WORKAHOLIC? 416 LAB ASSESSMENT 16.3 DO YOU HAVE BURNOUT OR BROWNOUT? 417

#### CHAPTER 17

FAMILY STRESS 419 The Family 419 Needs Satisfied by the Family 419 *The Changing Family* 420 Marriage 422 Cohabitation 422 Divorce 422 Single-Parent Families 423 Gay and Lesbian Families 423 Family Stressors 425 The Dual-Career Family 425 Children 426 Family Planning 427 Adoption 428 Mobility 430 Violence: A Family Matter 430 Financial Stressors 433 Other Stressors 434 A Model of Family Stress 434 Interventions 435 Life-Situation Interventions 435 *Financial Stress Interventions* 437 Perception Interventions 438 Emotional Arousal Interventions 440 Physiological Arousal Interventions 440 COPING IN TODAY'S WORLD 441 SUMMARY 441 INTERNET RESOURCES 441 **REFERENCES** 442 LAB ASSESSMENT 17.1 ARE YOU READY FOR MARRIAGE? 443 LAB ASSESSMENT 17.2 WHO IS YOUR IDEAL MATE? 444 *Epilogue* E-1

Glossary G-1 Photo Credits PC-1 Index I-1