BRIEF CONTENTS

Preface iii

Chapter 1 Introduction 1
Chapter 2 Motivation and Emotion in Historical Perspective 24
Chapter 3 The Motivated and Emotional Brain 44

Part I Needs 69

Chapter 4 Physiological Needs 71
Chapter 5 Extrinsic Motivation and Internalization 98
Chapter 6 Psychological Needs 123
Chapter 7 Implicit Motives 152

Part II Cognitions 177

Chapter 8 Goal Setting and Goal Striving 179
Chapter 9 Mindsets 202
Chapter 10 Personal Control Beliefs 227
Chapter 11 The Self and Its Strivings 255

Part III Emotions 283

Chapter 12 Nature of Emotion: Six Perennial Questions 285
Chapter 13 Aspects of Emotion 313
Chapter 14 Individual Emotions 339

Part IV Applied Concerns 363

Chapter 15 Growth Motivation and Positive Psychology 365
Chapter 16 Unconscious Motivation 397
Chapter 17 Interventions 423

References 439
Author Index 515
Subject Index 530
Preface iii

Chapter 1  Introduction  1

Motivational Science  4
Two Perennial Questions  5
  What Causes Behavior?  5
  Why Does Behavior Vary in Its Intensity?  7
Subject Matter  7
  Internal Motives  8
  External Events and Social Contexts  9
  Motivation versus Influence  10
Expressions of Motivation  10
  Behavior  10
  Engagement  11
  Psychophysiology  12
  Brain Activations  12
  Self-Report  13
Framework to Understand Motivation and Emotion  13
Ten Unifying Themes  14
  Motivation and Emotion Benefit Adaptation and Functioning  14
  Motivation and Emotion Direct Attention  15
  Motivation and Emotion Are “Intervening Variables”  16
  Motives Vary Over Time and Contribute into the Ongoing Stream of Behavior  16
  Types of Motivations Exist  17
  We Are Not Always Consciously Aware of the Motivational Basis of Our Behavior  18
  Motivation Study Reveals What People Want  19
  To Flourish, Motivation Needs Supportive Conditions  19
  When Trying to Motivate Others, What Is Easy to Do Is Rarely What Works  20
  There Is Nothing So Practical as a Good Theory  21
Summary  21

Chapter 2  Motivation and Emotion in Historical Perspective  24

Philosophical Origins of Motivational Concepts  25
Grand Theories  26
  Will  26
  Instinct  26
  Drive  28
Rise of the Mini-Theories  33
  Active Nature of the Person  34
  Cognitive Revolution  35
  Socially Relevant Questions  35
Detailed Contents

Chapter 3 The Motivated and Emotional Brain 44

Motivation, Emotion, and Neuroscience 46

Day-to-Day Events Activate Specific Brain Structures 46
Activated Brain Structures Generate Specific Motivations and Emotions 47

Neural Basis of Motivation and Emotion 47

Cortical Brain 47
Subcortical Brain 48

Bidirectional Communication 48

Individual Brain Structures Involved in Motivation and Emotion 49

Subcortical Brain Structures 50
Cortical Brain Structures 59

Hormones 65

Summary 67

Readings for Further Study 68

Part I Needs 69

Chapter 4 Physiological Needs 71

Need 72

Three Types of Needs 72

Fundamentals of Regulation 74

Physiological Need 75
Psychological Drive 75
Homeostasis 75

Negative Feedback 76

Multiple Inputs/Multiple Outputs 76

Intraorganismic Mechanisms 77

Extraorganismic Mechanisms 77

Homeostatic Mechanism 77

Thirst 78

Physiological Regulation 79

Environmental Influences 80

Hunger 81

Short-Term Appetite 81

Long-Term Energy Balance 82

Environmental Influences 84

Self-Regulatory Influences 85

Weight Gain and Obesity 86

Comprehensive Model of Hunger 87
Detailed Contents

Sex 88
  Physiological Regulation 88
  Facial Metrics 90
  Sexual Scripts 93
  Sexual Orientation 94
  Evolutionary Basis of Sexual Motivation 94
Summary 96
Readings for Further Study 97

Chapter 5 Extrinsic Motivation and Internalization 98
Extrinsic Motivation 100
Incentives and Consequences 100
  Incentives 101
  Reinforcers 101
  Managing Behavior 102
  Consequences 103
Hidden Costs of Reward 106
  Intrinsic Motivation 107
  Intrinsic Motivation versus Extrinsic Motivation 108
  Expected and Tangible Rewards 111
  Implications 111
  Benefits of Extrinsic Motivation 111
Cognitive Evaluation Theory 112
  Two Examples of Controlling and Informational Events 113
Types of Extrinsic Motivation 115
  External Regulation 117
  Introjected Regulation 117
  Identified Regulation 117
  Integrated Regulation 118
Internalization and Integration 118
  Motivating Others on Uninteresting Activities 119
Amotivation 120
Summary 121
Readings for Further Study 122

Chapter 6 Psychological Needs 123
Psychological Needs 124
  Organismic Psychological Needs 125
  Benefits of Need Satisfaction 125
Need Frustration 127
Autonomy 128
  Supporting Autonomy 129
  The Conundrum of Choice 134
  Benefits from Autonomy Support 135
  Giving and Receiving Autonomy Support 136
Competence 136
  Optimal Challenge 137
  Flow 137
Detailed Contents

Structure 139
Failure Tolerance 141

Relatedness 142
Involving Relatedness 143
Satisfying Relatedness 143
Supporting Relatedness 144
Communal and Exchange Relationships 145
Benefits from Relatedness Need Satisfaction 146

Putting it All Together: Relationships and Social Contexts that Support Psychological Need Satisfaction 146
Engagement 147
What Makes for a Good Day? 147
Vitality 149

Summary 149
Readings for Further Study 150

CHAPTER 7 Implicit Motives 152

Implicit Motives 154
Acquired Needs 155
Social Needs 155
How Implicit Motives, as Acquired Psychological Needs, Motivate Behavior 158

Achievement 159
Origins of the Need for Achievement 160
Atkinson’s Model 161
Achievement for the Future 163
Dynamics-of-Action Model 163
Conditions That Involve and Satisfy the Need for Achievement 165

Affiliation 166
Duality of Affiliation Motivation 167
Conditions That Involve the Affiliation and Intimacy Duality 167
Conditions That Satisfy the Affiliation Need 168

Power 169
Conditions That Involve and Satisfy the Need for Power 170
Goal Pursuit and Perspective Taking 172
Is the Implicit Power Motive Bad? 172
Leadership Motive Pattern 172
Compassionate Leadership Profile 173
Four Additional Social Needs 175

Summary 175
Readings for Further Study 176

PART II Cognitions 177

CHAPTER 8 Goal Setting and Goal Striving 179

Cognitive Springs to Action 180
Plans 181
Corrective Motivation 183
### Detailed Contents

- **Discrepancy** 183
- **Discrepancy, Emotions, and Feelings** 184
- **Two Types of Discrepancy** 185

#### Goal Setting 186
- **Goal–Performance Discrepancy** 186
- **Difficult, Specific, and Congruent Goals Enhance Performance** 187
- **Feedback** 189
- **Criticisms** 190
- **Long-Term Goal Setting** 192
- **From Where Do Goals Come?** 192

#### Goal Striving 193
- **Mental Simulations** 193
- **Implementation Intentions** 194

#### Goal Disengagement 198

#### Summary 200

#### Readings for Further Study 201

### Chapter 9  Mindsets 202

- **Mindset** 203
- **Mindset 1: Deliberative–Implemental** 203
  - **Deliberative Mindset** 205
  - **Implemental Mindset** 205
  - **Downstream Consequences of the Deliberative and Implemental Mindsets** 206
- **Mindset 2: Promotion–Prevention** 206
  - **Promotion Mindset** 207
  - **Prevention Mindset** 208
  - **Different Definitions of Success and Failure** 208
  - **Different Goal-Striving Strategies** 209
  - **Ideal Self-Guides and Ought Self-Guides** 210
  - **Regulatory Fit Predicts Strength of Motivation and Well-Being** 211
- **Mindset 3: Growth-Fixed** 211
  - **Fixed Mindset** 212
  - **Growth Mindset** 212
  - **Meaning of Effort** 212
  - **Origins of Fixed-Growth Mindsets** 214
  - **Different Fixed-Growth Mindsets Lead to Different Achievement Goals** 215
  - **Achievement Goals** 217

#### Cognitive Dissonance 221
- **Dissonance-Arousing Situations** 222
- **Motivational Processes Underlying Cognitive Dissonance** 224
- **Self-Perception Theory** 224

#### Summary 225

#### Readings for Further Study 226

### Chapter 10  Personal Control Beliefs 227

- **Motivation to Exercise Personal Control** 228
  - **Two Kinds of Expectancy** 229
  - **Perceived Control: Self, Action, and Control** 230
  - **Coping with Failure** 230
Self-Efficacy 231
  Sources of Self-Efficacy 233
  Self-Efficacy Effects on Behavior 235
  Empowerment 237
  Empowering People: Mastery Modeling Program 238
Mastery Beliefs 239
  Ways of Coping 239
  Mastery versus Helplessness 239
Learned Helplessness 240
  Learning Helplessness 241
  Application to Humans 242
  Components 243
  Helplessness Effects 244
  Helplessness and Depression 245
  Attributions and Explanatory Style 246
Reactance Theory 249
Expectancy–Value Model 250
  Value 251
  Value Interventions 252
Summary 252
Readings for Further Study 253

CHAPTER 11 THE SELF AND ITS STRIVINGS 255

Two Views of Self 256
  Self-as-Object 257
  Self-as-Agent 257
  The Problem with Self-Esteem 258
Self-Concept 259
  Self-Schemas 260
  Motivational Properties of Self-Schemas 260
  Consistent Self 261
  Self-Verification versus Self-Concept Change 262
  Why People Self-Verify 263
  Possible Selves 263
Identity 266
  Roles 267
  Connections to Social Groups 267
  Situations Make Specific Identities Salient 267
Agency 268
  Self as Action and Development from Within 268
  True Self? 269
  Self-Concordance 270
  Intrinsic Goals and Extrinsic Goals 271
Self-Regulation 273
  Forethought through Reflection 273
  Developing More Competent Self-Regulation 274
  Self-Control 275
  Is the Capacity to Exert Self-Control Beneficial to a Successful Life? 279
PART III EMOIONS  283

CHAPTER 12  NATURE OF EMOTION: SIX PERENNIAL QUESTIONS  285

Six Perennial Questions  286
What is an Emotion?  287
Definition  288
Relation between Emotion and Motivation  290
What Causes an Emotion?  291
Two-Systems View  292
Chicken-and-Egg  293
What Ends an Emotion?  294
How Many Emotions are There?  294
Biological Perspective  294
Cognitive Perspective  296
Reconciliation of the Numbers Issue  297
What Good are the Emotions?  299
Coping Functions  299
Social Functions  300
Why We Have Emotions  302
Can We Control Our Emotions?  303
Emotion Regulation Strategies  304
What is the Difference Between Emotion and Mood?  306
Everyday Mood  306
Positive Affect  308
Summary  310
Readings for Further Study  311

CHAPTER 13  ASPECTS OF EMOTION  313

Biological Aspects of Emotion  314
James–Lange Theory  315
Contemporary Perspective  315
Brain Activity Activates Individual Emotions  317
Facial Feedback Hypothesis  318
Cognitive Aspects of Emotion  324
Appraisal  324
Complex Appraisal  327
Appraisal as a Process  329
Emotion Differentiation  330
Emotion Knowledge  331
Attributions  332
Emotions Affect Cognition  334
Chapter 14 Individual Emotions 339

Basic Emotions 340
- Fear 341
- Anger 342
- Disgust 343
- Contempt 344
- Sadness 345
  Emotional Preparation for Threat and Harm 346
- Joy 346
- Interest 347
  Emotional Preparation for Motive Involvement and Satisfaction 348

Self-Conscious Emotions 348
- Shame 348
- Guilt 350
- Embarrassment 351
- Pride 352
- Triumph 352
  Interrelations among Shame, Guilt, Embarrassment, Pride, and Hubris 353

Cognitively Complex Emotions 353
- Envy 353
- Gratitude 355
- Disappointment and Regret 356
- Hope 357
- Schadenfreude 357
- Empathy 358
- Compassion 359

Summary 360
Readings for Further Study 361

Part IV Applied Concerns 363

Chapter 15 Growth Motivation and Positive Psychology 365

Holism and Positive Psychology 367
- Holism 368
- Positive Psychology 368

Self-Actualization 368
- Hierarchy of Human Needs 369
- Encouraging Growth 371

Actualizing Tendency 371
- Organismic Valuing Process 372
- Emergence of the Self 373
Detailed Contents

Condition of Worth 374
Conditioned Regard as a Socialization Strategy 376
Fully Functioning Individual 378
Organismic Integration 379

Humanistic Motivational Phenomena 379
Causality Orientations 379
Growth-Seeking versus Validation Seeking 380
Relationships 381
Freedom to Learn 382
Self-Definition and Social Definition 382
Problem of Evil 383

Positive Psychology 385
Happiness and Well-Being 385
Eudaimonic Well-Being 387
Optimism 388
Meaning 389
Positivity 390
Mindfulness 391

Interventions 391
Cultivating Hope 392
Cultivating Compassion 392

Criticisms 394
Summary 395
Readings for Further Study 396

Chapter 16  Unconscious Motivation 397

Psychodynamic Perspective 398
Psychodynamic Becomes Psychodynamic 399
Dual-Instinct Theory 400
Do the Id and Ego Actually Exist? 401
Contemporary Psychodynamic Theory 402

The Unconscious 403
Freudian Unconscious 403
Adaptive Unconscious 404
Implicit Motivation 406
Priming 407

Psychodynamics 408
Repression 409
Suppression 409
Terror Management Theory 411

Ego Psychology 412
Ego Development 412
Ego Defense 413
Ego Effectance 415

Object Relations Theory 416
Criticisms 419
Summary 420
Readings for Further Study 421
CHAPTER 17  

INTERVENTIONS  423

Applying Principles of Motivation and Emotion  424
  Explaining Motivation and Emotion  424
  Predicting Motivation and Emotion  425
  Solving Motivational and Emotional Problems  425
  Practice Problems  426

Three State-of-the-Art Interventions  428
  Preface  428
    Intervention 1: Satisfying Psychological Needs  428
    Intervention 2: Increasing a Growth Mindset  431
    Intervention 3: Promoting Emotion Knowledge  434

Wisdom Gained from a Scientific Study of Motivation and Emotion  436

REFERENCES  439

AUTHOR INDEX  515

SUBJECT INDEX  530