Dedication

To Albert Bandura, for helping me develop self-efficacy for leading a fulfilling life
Preface

Learning is a lifelong activity and fundamental to education. And the study of learning is crucial for everyone who wants to live a fulfilling life and help others do so. The better we understand learning, the better we can determine how to improve it.

Over the past several years, the study of learning by researchers has continued at a strong pace. This situation is desirable because it has resulted in theoretical refinements, improved research methodologies, and implications for instruction based on sound theory and research.

Although the study of learning has changed a lot since the first edition of this book was published in 1991, the primary objectives of this eighth edition remain much the same as those of the first edition: (a) to help students become knowledgeable of learning theoretical principles, concepts, and research findings, especially as they relate to education, and (b) to provide applications of principles and concepts in settings where teaching and learning occur. As in previous editions, the focus of the current edition is on cognition. Cognitive constructivist perspectives emphasize that learners are not passive recipients of information but rather actively seek, construct, and adapt their knowledge, skills, strategies, and beliefs.

STRUCTURE OF THIS TEXT

The text's 12 chapters are organized as follows. The introductory chapter covers learning theory, research methods, and learning issues, as well as historical foundations of the study of learning. Chapter 2 discusses the neuroscience of learning. A basic understanding of neuroscience assists readers in understanding the links between brain functions and cognitive and constructivist learning principles. Chapter 3 covers behaviorism, a dominant learning theory for many years. Current cognitive and constructivist theories and principles are the subject of Chapters 4–8: social cognitive theory; information processing theory—encoding and storage; information processing theory—retrieval and forgetting; cognitive learning processes; and constructivism. Chapters 9–11 cover topics relevant to and integrated with learning: motivation, self-regulated learning, and contextual influences. The final chapter asks learners to develop their own perspective on learning.

NEW TO THIS EDITION

Readers familiar with prior editions will notice content and organizational changes in this edition, which reflect new theoretical and research emphases. Several topics have been added including sections on educational data mining, positive behavior supports,
metacognition and epistemic thinking, Neo-Piagetian theories, self-regulation and technology, and future developments in the study of learning. The text has been revised to incorporate newer theoretical principles and research findings. These revisions are most evident in the chapters on constructivism and contextual influences. Sections on technology throughout the text have been revised to keep up with the latest educational uses of technology. Added to the ends of each of the first eleven chapters are two new sections: a chapter critique and a set of reflection questions that students can think about as they review the chapter and can be discussed in classes. To keep the text current and timely, new terms have been incorporated into the glossary. More than 200 new references have been added, and several dated references have been dropped.

Applications of learning principles have been a hallmark of this text since its inception and these continue to be present in this new edition. Each chapter except the introductory and concluding chapters contains a section on instructional applications. All chapters begin with vignettes that illustrate some principles discussed in the chapters. Throughout the chapters, there are many informal examples and detailed applications. Most of the applications involve K–12 settings, but applications also address other learning contexts including college students.

The text is designed for graduate students in education or related disciplines, as well as upper-level undergraduates interested in education. It is assumed that most students have taken a course in education or psychology and currently work in an educational capacity or anticipate pursuing an educational career. The text is appropriate for courses on learning and cognition, as well as any course that covers learning in some depth such as courses on motivation, educational psychology, human development, and instructional design.

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I am most fortunate that again for this edition my editor at Pearson Education is Kevin Davis. Kevin unquestionably is one of the finest editors anyone could work with. He is highly encouraging and supportive, and his continued guidance has resulted in a better product. I also express appreciation to Casey Coriell and Janelle Rogers at Pearson
Education for their editorial assistance. I owe sincere thanks to the following reviewers of the eighth edition: Oris Griffin, James Madison University; James R. May, Oklahoma State University; Kerry Rice, Boise State University; Melissa Stormont, University of Missouri; and Ellie L. Young, Brigham Young University.

It is hard to believe that it has been almost 30 years since the first edition of this book was published. At that time, I proudly gave a copy to my parents, the late Mil and Al Schunk, for their love, encouragement and support. Since then, several friends have served as inspirations to me to continue to produce new editions. For this edition, I graciously thank Bill Gattis. And I am most grateful for my wife Maria and my daughter Laura, who was born shortly before the first edition was released. Laura is a remarkable young woman from whom I have learned so much and in whose life learning has made a profound difference.
Brief Contents

1 Introduction to the Study of Learning  1
2 Neuroscience of Learning  30
3 Behaviorism  78
4 Social Cognitive Theory  124
5 Information Processing Theory: Encoding and Storage  168
6 Information Processing Theory: Retrieval and Forgetting  216
7 Cognitive Learning Processes  252
8 Constructivism  312
9 Motivation  360
10 Self-Regulated Learning  416
11 Contextual Influences  462
12 Next Steps  508

Glossary  514
References  527
Author Index  569
Subject Index  582
Contents

1 Introduction to the Study of Learning 1

Learning Defined 3
Precursors of Modern Learning Theories 4

Learning Theory and Philosophy 5
Beginnings of the Psychological Study of Learning 7
Structuralism and Functionalism 8

Learning Theory and Research 11

Functions of Theory 11
Conducting Research 11

Assessment of Learning 14
Direct Observations 16
Written Responses 16
Oral Responses 17
Ratings by Others 17
Self-Reports 17
Educational Data Mining 19
Assessment Issues 20

Relation of Learning and Instruction 21

Critical Issues for Learning Theories 23

How Does Learning Occur? 24
How Does Memory Function? 25
What Is the Role of Motivation? 25
How Does Transfer Occur? 26
How Does Self-Regulated Learning Operate? 26
What Are the Implications for Instruction? 27

Summary and Critique 27
Reflection Questions 29
Further Reading 29

2 Neuroscience of Learning 30

Organization and Structures 32

Neural Organization 33
Brain Structures 34
Localization and Interconnections 38
Brain Research Methods 40

Neurophysiology of Learning 44

Information Processing System 44
Memory Networks 48
Language Learning 51

Brain Development 52
Influential Factors 52
Phases of Development 54
Sensitive Periods 55
Language Development 57
Influence of Technology 60

Motivation and Emotions 61

Motivation 62
Emotions 64

Instructional Applications 67

Relevance of Brain Research 67
Brain Myths 67
Educational Issues 68
Brain-Based Educational Practices 70

Summary and Critique 73
Reflection Questions 77
Further Reading 77

3 Behaviorism 78

Connectionism 80

Trial-and-Error Learning 80
Principles of Learning 81
Thorndike and Education 83
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classical Conditioning</td>
<td>84</td>
</tr>
<tr>
<td>Basic Processes</td>
<td>85</td>
</tr>
<tr>
<td>Informational Variables</td>
<td>87</td>
</tr>
<tr>
<td>Conditioned Emotional Reactions</td>
<td>87</td>
</tr>
<tr>
<td>Contiguous Conditioning</td>
<td>89</td>
</tr>
<tr>
<td>Acts and Movements</td>
<td>89</td>
</tr>
<tr>
<td>Habit Formation and Change</td>
<td>90</td>
</tr>
<tr>
<td>Operant Conditioning</td>
<td>93</td>
</tr>
<tr>
<td>Conceptual Framework</td>
<td>94</td>
</tr>
<tr>
<td>Basic Processes</td>
<td>95</td>
</tr>
<tr>
<td>Behavior Change</td>
<td>103</td>
</tr>
<tr>
<td>Behavior Modification</td>
<td>105</td>
</tr>
<tr>
<td>Contemporary Perspective</td>
<td>107</td>
</tr>
<tr>
<td>Instructional Applications</td>
<td>108</td>
</tr>
<tr>
<td>Behavioral Objectives</td>
<td>109</td>
</tr>
<tr>
<td>Learning Time</td>
<td>111</td>
</tr>
<tr>
<td>Mastery Learning</td>
<td>113</td>
</tr>
<tr>
<td>Differentiated Instruction</td>
<td>115</td>
</tr>
<tr>
<td>Contingency Contracts</td>
<td>118</td>
</tr>
<tr>
<td>Summary and Critique</td>
<td>120</td>
</tr>
<tr>
<td>Reflection Questions</td>
<td>122</td>
</tr>
<tr>
<td>Further Reading</td>
<td>123</td>
</tr>
<tr>
<td>Motivational Processes</td>
<td>143</td>
</tr>
<tr>
<td>Goals</td>
<td>143</td>
</tr>
<tr>
<td>Outcome Expectations</td>
<td>147</td>
</tr>
<tr>
<td>Values</td>
<td>149</td>
</tr>
<tr>
<td>Self-Efficacy</td>
<td>150</td>
</tr>
<tr>
<td>Conceptual Overview</td>
<td>150</td>
</tr>
<tr>
<td>Self-Efficacy in Achievement Contexts</td>
<td>152</td>
</tr>
<tr>
<td>Models and Self-Efficacy</td>
<td>154</td>
</tr>
<tr>
<td>Motor Skills</td>
<td>156</td>
</tr>
<tr>
<td>Teacher Self-Efficacy</td>
<td>157</td>
</tr>
<tr>
<td>Health and Therapeutic Activities</td>
<td>159</td>
</tr>
<tr>
<td>Instructional Applications</td>
<td>160</td>
</tr>
<tr>
<td>Models and Self-Efficacy</td>
<td>160</td>
</tr>
<tr>
<td>Worked Examples</td>
<td>161</td>
</tr>
<tr>
<td>Tutoring and Mentoring</td>
<td>162</td>
</tr>
<tr>
<td>Summary and Critique</td>
<td>163</td>
</tr>
<tr>
<td>Reflection Questions</td>
<td>166</td>
</tr>
<tr>
<td>Further Reading</td>
<td>167</td>
</tr>
<tr>
<td>5 Information Processing Theory:</td>
<td></td>
</tr>
<tr>
<td>Encoding and Storage</td>
<td>168</td>
</tr>
<tr>
<td>Early Information Processing Perspectives</td>
<td>170</td>
</tr>
<tr>
<td>Assumptions</td>
<td>170</td>
</tr>
<tr>
<td>Verbal Learning</td>
<td>170</td>
</tr>
<tr>
<td>Gestalt Theory</td>
<td>173</td>
</tr>
<tr>
<td>Two-Store (Dual) Memory Model</td>
<td>176</td>
</tr>
<tr>
<td>Levels (Depth) of Processing</td>
<td>178</td>
</tr>
<tr>
<td>Contemporary Information Processing Model</td>
<td>180</td>
</tr>
<tr>
<td>Attention</td>
<td>182</td>
</tr>
<tr>
<td>Theories of Attention</td>
<td>182</td>
</tr>
<tr>
<td>Attention and Learning</td>
<td>183</td>
</tr>
<tr>
<td>Meaning and Importance</td>
<td>184</td>
</tr>
<tr>
<td>Perception</td>
<td>186</td>
</tr>
<tr>
<td>Sensory Registers</td>
<td>186</td>
</tr>
<tr>
<td>LTM Comparisons</td>
<td>187</td>
</tr>
</tbody>
</table>
Contents

Encoding 188
Working Memory (WM) 188
Influences on Encoding 191
Long-Term Memory: Storage 195
Propositions 195
Storage of Knowledge 197
Production Systems and Connectionist Models 201
Instructional Applications 205
Advance Organizers 205
Conditions of Learning 207
Cognitive Load 210
Summary and Critique 212
Reflection Questions 214
Further Reading 215

Information Processing Theory: Retrieval and Forgetting 216
Long-Term Memory: Retrieval 218
Retrieval Processes 218
Language Comprehension 223
Forgetting 227
Interference Theory 227
Information Processing 230
Relearning 232
Memory Savings 232
Effect of Testing 233
Visual Memory 233
Representation of Visual Information 234
Visual Memory and LTM 236
Individual Differences 237
Transfer 237
Historical Views 238
Contemporary Perspectives 239
Types of Transfer 240
Strategy Transfer 243
Instructional Applications 244
Encoding-Retrieval Similarity 244
Retrieval-Based Learning 245
Teaching for Transfer 245
Summary and Critique 247
Chapter Critique 250
Reflection Questions 250
Further Reading 251

7 Cognitive Learning Processes 252
Skill Acquisition 254
General and Specific Skills 254
Novice-to-Expert Research Methodology 255
Expert–Novice Differences in Science 257
Metacognition 258
Conditional Knowledge 259
Metacognition and Learning 260
Variables Influencing Metacognition 261
Metacognition and Epistemic Thinking 263
Metacognition and Behavior 264
Metacognition and Reading 265
Concept Learning 267
The Nature of Concepts 267
Concept Attainment 269
Teaching of Concepts 270
Motivational Processes 273
Problem Solving 274
Historical Perspectives 275
Heuristics 277
Problem-Solving Strategies 278
Problem Solving and Learning 283
Experts and Novices 284
Critical Thinking, Reasoning, and Creativity 285
Critical Thinking 285
Reasoning 287
Creativity 291
Cognition and Technology 292
Computer-Based Learning Environments 293
Online Social Media 299
Distance Learning 300
Instructional Applications 302
Worked Examples 302
Problem Solving 303
Mathematics 305
Summary and Critique 309
Chapter Critique 310
Reflection Questions 311
Further Reading 311

8 Constructivism 312

Assumptions and Perspectives 314
Overview 315
Perspectives 316
Situated Cognition 317
Piaget’s Theory of Cognitive Development 319
Developmental Processes 320
Implications for Instruction 323
Neo-Piagetian Theories 324
Assumptions 324
Case’s Instructional Model 325
Bruner’s Theory of Cognitive Growth 327
Knowledge Representation 327
Spiral Curriculum 328
Vygotsky’s Sociocultural Theory 330
Background 330
Basic Principles 331
Zone of Proximal Development 332
Applications 334
Private Speech and Socially Mediated Learning 338
Private Speech 338
Verbalization and Achievement 339
Socially Mediated Learning 341
Peer-Assisted Learning 343

Constructivist Learning Environments 344
Key Features 345
APA Learner-Centered Principles 347
Reflective Teaching 347
Instructional Applications 351
Discovery Learning 351
Inquiry Teaching 354
Discussions and Debates 355
Summary and Critique 355
Chapter Critique 358
Reflection Questions 358
Further Reading 359

9 Motivation 360

Background and Assumptions 362
Historical Perspectives 362
Humanistic Theories 366
Model of Motivated Learning 371
Achievement Motivation 373
Expectancy-Value Theory 373
Contemporary Model of Achievement Motivation 375
Family Influences 378
Self-Worth Theory 379
Task and Ego Involvement 380
Attributions 381
Locus of Control 381
Naïve Analysis of Action 382
Attribution Theory of Achievement 383
Social Cognitive Processes 386
Goals and Expectations 386
Social Comparison 387
Self-Concept 389
Goal Orientations 392
Types of Goal Orientations 392
Conceptions of Ability 396
Implicit Theories 396
Intrinsic Motivation  398
   Early Views  398
   Perceived Control  400
   Self-Determination  402
   Rewards and Intrinsic Motivation  403

Interest and Affect  406
   Personal and Situational Interest  406
   Emotions  407

Instructional Applications  408
   Achievement Motivation Training  408
   Attribution Change Programs  409
   Goal Orientations  411

Summary and Critique  413

Reflection Questions  415

Further Reading  415

10 Self-Regulated Learning  416

Assumptions  418

Behavioral Self-Regulation  419
   Self-Monitoring  419
   Self-Instruction  422
   Self-Reinforcement  423

Social Cognitive Influences  423
   Conceptual Framework  423
   Self-Regulatory Processes  425
   Cyclical Nature of Self-Regulated Learning  428
   Social-Self Interaction  432

Information Processing  432
   Model of Self-Regulated Learning  433
   Learning Strategies  434

Constructivism  444
   Sociocultural Influences  444
   Implicit Theories  446

Motivation and Self-Regulated Learning  448
   Volition  449
   Values  450

   Self-Schemas  451
   Help Seeking  451

Instructional Applications  452
   Academic Studying  452
   Writing  454
   Technology  457

Summary and Critique  458

Reflection Questions  460

Further Reading  461

11 Contextual Influences  462

Teachers, Classrooms, and Schools  465
   Effective Learning Environments  465
   Teacher–Student Interactions  469
   Developmentally Appropriate Instruction  473
   Transitions in Schooling  474
   Classroom and School Climate  476

Peers  478
   Peers and Learning  478
   Peer Networks  480
   Peers and School Adjustment  481

Families  483
   Socioeconomic Status  483
   Home Environment  486
   Parental Involvement  486
   Electronic Media  489

Communities  492
   Location  492
   Community Involvement  493

Cultures  494

Instructional Applications  496
   Teacher–Student Interactions  496
   Learning Styles  499
   Parental and Familial Involvement  503
Summary and Critique 504
Chapter Summary 504
Chapter Critique 506
Further Reading 507

12 Next Steps 508

Learning Questions 509
How Does Learning Occur? 509
How Does Memory Function? 509
What Is the Role of Motivation? 509
How Does Transfer Occur? 510
How Does Self-Regulated Learning Operate? 510
What Are the Implications for Instruction? 510

Learning Theories 510
Conditioning 511
Social Cognitive 511
Information Processing 511
Constructivist 511

Future Developments 511
Conclusion 512

Glossary 514

References 527

Author Index 569

Subject Index 582