

Contents

About the Authors	<i>xi</i>
Foreword	<i>xiii</i>
About the Companion Website	<i>xvii</i>

Introduction 1

1	Why a Student-Centered Approach to Teaching?	5
1.1	A Paradigm Shift?	5
1.2	Setting the Stage for Transformative Learning	7
1.3	Knowing Your Students	7
1.3.1	Connecting Identity with Motivation for Learning	7
1.3.2	Teaching Digital Natives	8
1.3.3	Our Diverse Student Body	9
1.4	Supporting First-Generation College Students	12
1.5	Culturally Responsive Instruction	13
1.5.1	Fostering an Environment of Inclusivity	14
1.5.2	Fostering Positive Attitudes toward Learning	18
1.5.3	Enhancing Meaning for Students through Active Learning	19
1.6	Starting Off with a Student-Centered Philosophy	21
1.7	Summary	22
2	Designing a Course Based on Learning Objectives	23
2.1	Backward Course Design	23
2.2	Step 1: Developing Learning Goals and Objectives	24
2.3	Step 2: Developing Assessment Strategies	26
2.4	Step 3: Creating Meaningful Learning Experiences in the Classroom	31
2.4.1	Pre-Class Preparation and Using Readings	31
2.4.2	Selecting a Textbook	33
2.5	Universal Design	35
2.5.1	Should Instruction Be Tailored to Students' Preferred Learning Styles?	37
2.6	Creating a Syllabus	38
2.7	Interim and Post-Course Reflection and Student Evaluation: How Is it Going?	42
2.8	Summary	44
2.A	Syllabus Checklist	44

- 3 Effective Multimedia Instruction 45**
 - 3.1 Use (and Abuse) of PowerPoint (PPT) in Higher Education 45
 - 3.1.1 Best Practices for Slideware and Other Multimedia Presentations in the Classroom 46
 - 3.1.2 More Innovative Use of Slideware 48
 - 3.2 Student Response Systems 49
 - 3.2.1 Student Collaboration and SRSs 51
 - 3.2.2 Scientific Literacy and SRSs 52
 - 3.3 Use of Videos and Video Clips in Classes 52
 - 3.3.1 Guidance on Using Potentially Distressing Video Materials 56
 - 3.4 Information Literacy and the Effective Use of the Internet 57
 - 3.4.1 Benefits of Wikipedia Editing Assignments 60
 - 3.5 Other Multimedia Projects 62
 - 3.5.1 Student-Created Videos and Podcasts 63
 - 3.5.2 Digital Stories 65
 - 3.6 Summary 67

- 4 Advancing Critical Thinking Through Active Learning 69**
 - 4.1 What is Critical Thinking? 69
 - 4.2 Critical Thinking Instruction 71
 - 4.2.1 Activity-Based Instruction 72
 - 4.3 Oral Communication: Talking to Learn (and Learning to Talk) 73
 - 4.3.1 Fostering Inclusive Discussion 73
 - 4.3.2 Debates 76
 - 4.3.3 Role-Playing 77
 - 4.4 In-Class Demonstrations and Simulations 80
 - 4.5 Distinguishing Science from Pseudoscience in Psychology Classes 82
 - 4.5.1 Developing Digital Literacy Skills 84
 - 4.6 Developing Qualitative and Quantitative Reasoning Skills 85
 - 4.6.1 Qualitative Reasoning 85
 - 4.6.2 Quantitative Reasoning 87
 - 4.6.3 Problem-Based Learning 89
 - 4.7 Service Learning and Community-Based Research 89
 - 4.8 Challenges of Assessing Improvements in Critical Thinking 92
 - 4.9 Summary 93

- 5 Group Work 95**
 - 5.1 Benefits of Group Work 95
 - 5.1.1 Theoretical Underpinnings of Why Small-Group Work Works 97
 - 5.2 Effective Strategies for Participation 98
 - 5.2.1 Setting the Scene for Group Work 98
 - 5.2.2 Gearing Up for Formal Group Work 100
 - 5.2.3 Structuring a Cooperative Learning Task 101
 - 5.2.4 Group Composition 102
 - 5.2.5 Helping Students Develop Collaborative, Leadership, and Planning Skills 103
 - 5.3 How to Minimize Undesirable Group Behaviors 105
 - 5.3.1 Social Loafing and Free-Riding 105

5.3.2	Supporting “Involuntary” Free-Riders	106
5.3.3	Lone Wolves	107
5.4	Cooperative Learning Structures	107
5.4.1	Learning Together and Alone	107
5.4.2	Inter-Teaching	107
5.4.3	Problem-Based Learning	108
5.4.4	Team-Based Learning	110
5.4.5	Jigsaw Classroom Design	112
5.5	Cooperative Learning Games	113
5.6	Summary	114
6	Learning to Write and Writing to Learn	115
6.1	The Value of Writing in Learning	115
6.2	Strategies for Teaching Reading and Writing	116
6.2.1	Strategies for Designing Introductory Psychology Writing Assignments	117
6.2.2	Next Steps in Designing Psychology Writing Assignments	118
6.3	Helping Students to Improve Writing Drafts	121
6.3.1	Encouraging Students to Think Metacognitively about Writing	121
6.3.2	Using Peer Review to Give Feedback	122
6.3.3	Giving Effective Feedback and Helping Students Respond to Feedback	123
6.3.4	Using Rubrics to Provide Feedback	126
6.4	Plagiarism	127
6.5	Lowering the Stakes in Writing Assignments	128
6.5.1	Small Paper Writing	129
6.5.2	Minute Papers	130
6.5.3	Microthemes	131
6.5.4	Reflection Papers	132
6.5.5	Creative Writing Assignments in Psychology	132
6.5.6	Journaling	132
6.6	Summary	134
7	Enhancing Learning Through Testing, Metacognitive Development, and Psychosocial Interventions	135
7.1	Why Use Tests in Student-Centered Teaching?	135
7.1.1	Benefits of Retrieval Practice	136
7.1.2	Importance of Distributing and Interleaving Practice	137
7.2	Using Quizzes in Your Classes	138
7.2.1	Quiz and Test Design	139
7.2.2	Helping Students to Use Quiz and Test Feedback to Enhance Learning	142
7.2.3	Cumulative Tests	143
7.3	Students’ Metacognitive Biases	143
7.3.1	Instructors’ Metacognitive Biases	145
7.4	Building Study Habits	145
7.5	Mindsets around Testing and Learning	149
7.5.1	Overcoming Student Anxiety and Increasing Motivation for Learning	150
7.5.2	Dealing with Failure and Building Resilience	152
7.6	Summary	154

8 Gearing Up to Teach Online 155

- 8.1 The Continuum of Online Instruction 155
- 8.2 How Course Management Systems can Make Face-to-Face Classes More Student-Centered 156
- 8.3 Using Online Tools to Facilitate Writing, Collaboration, and Critical Thinking 158
 - 8.3.1 What Kinds of Blog Assignment Work? 161
 - 8.3.2 How to Set Up a Successful Blog Assignment 163
 - 8.3.3 Using Wikis to Improve Writing, Critical Thinking, and Information Literacy 164
- 8.4 Teaching in a Flipped Classroom 166
 - 8.4.1 Activities for the Flipped Classroom 169
- 8.5 Transitioning to Teaching Fully Online 170
- 8.6 Summary 173

9 Becoming an Effective and Fulfilled Teacher 175

- 9.1 Ethical Teaching Using an Evidence-Based Approach 175
- 9.2 Ethical Classroom Management 178
- 9.3 Closing the Loop: Evaluating the Effectiveness of Your Instruction 179
- 9.4 The Scholarship of Teaching and Learning 181
- 9.5 Mentoring Student Research 185
- 9.6 Self-Assessment 186
- 9.7 Developing a Teaching Portfolio 187
- 9.8 Writing a Teaching Philosophy Statement 187
- 9.9 Summary 191

References 193

Index 259