

Contents

Preface	xiii
The Authors	xix
PART ONE: GETTING STARTED IN CLASSROOM ASSESSMENT	1
1. What Is Classroom Assessment?	3
Purpose of Classroom Assessment	
Characteristics of Classroom Assessment	
Need for Classroom Assessment	
The Seven Basic Assumptions of Classroom Assessment	
2. The Teaching Goals Inventory	13
Background: Development of the Teaching Goals Inventory	
The Teaching Goals Inventory: Self-Scorable Version and Self-Scoring Worksheet	
Scoring the TGI: Items and Clusters	
Using Your TGI Responses to Direct Classroom Assessments	
3. First Steps	25
The Value of Starting Small: A Three-Step Process	
Five Suggestions for a Successful Start	
Next Steps	
4. Planning and Implementing Classroom Assessment Projects	33
An Introduction to the Classroom Assessment Project Cycle	
Starting with Teaching Goals	
An Alternate Route: Starting with Questions	

The Classroom Assessment Project Cycle: A Detailed Look
Ten Guidelines for Success and a Checklist for Avoiding
Problems

5.	Twelve Examples of Successful Projects	61
	Anthropology: Assessing Prior Knowledge, Recall, and Understanding	
	Astronomy: Assessing Skill in Analysis and Critical Thinking	
	Psychology: Assessing Skill in Application and Performance	
	Mathematics: Assessing Skill in Problem Solving	
	Political Science: Assessing Skill in Synthesis and Creative Thinking	
	Criminal Justice: Assessing Students' Awareness of Their Attitudes and Values	
	Physical Education: Assessing Students' Self-Awareness as Learners	
	Speech Communication: Assessing Students' Self-Awareness as Learners	
	Nursing Education: Assessing Students' Awareness of Their Attitudes and Values	
	Statistics: Assessing Course-Related Learning and Study Skills, Strategies, and Behaviors	
	Accounting: Assessing Learner Reactions to Teachers and Teaching	
	Developmental Education: Assessing Learner Reactions to Class Activities, Assignments, and Materials	
	PART TWO: CLASSROOM ASSESSMENT TECHNIQUES	103
6.	Choosing the Right Technique	105
	How to Find the Classroom Assessment Technique You Need	
	Format Used to Present Classroom Assessment Techniques	
7.	Techniques for Assessing Course-Related Knowledge and Skills	115
	Assessing Prior Knowledge, Recall, and Understanding	119
	1. Background Knowledge Probe	
	2. Focused Listing	
	3. Misconception/Preconception Check	
	4. Empty Outlines	
	5. Memory Matrix	
	6. Minute Paper	
	7. Muddiest Point	
	Assessing Skill in Analysis and Critical Thinking	159
	8. Categorizing Grid	
	9. Defining Features Matrix	
	10. Pro and Con Grid	

11.	Content, Form, and Function Outlines	
12.	Analytic Memos	
	Assessing Skill in Synthesis and Creative Thinking	181
13.	One-Sentence Summary	
14.	Word Journal	
15.	Approximate Analogies	
16.	Concept Maps	
17.	Invented Dialogues	
18.	Annotated Portfolios	
	Assessing Skill in Problem Solving	213
19.	Problem Recognition Tasks	
20.	What's the Principle?	
21.	Documented Problem Solutions	
22.	Audio- and Videotaped Protocols	
	Assessing Skill in Application and Performance	231
23.	Directed Paraphrasing	
24.	Applications Cards	
25.	Student-Generated Test Questions	
26.	Human Tableau or Class Modeling	
27.	Paper or Project Prospectus	
8.	Techniques for Assessing Learner Attitudes, Values, and Self-Awareness	255
	Assessing Students' Awareness of Their Attitudes and Values	257
	28.	Classroom Opinion Polls
	29.	Double-Entry Journals
	30.	Profiles of Admirable Individuals
	31.	Everyday Ethical Dilemmas
	32.	Course-Related Self-Confidence Surveys
	Assessing Students' Self-Awareness as Learners	280
	33.	Focused Autobiographical Sketches
	34.	Interest/Knowledge/Skills Checklists
	35.	Goal Ranking and Matching
	36.	Self-Assessment of Ways of Learning
	Assessing Course-Related Learning and Study Skills, Strategies, and Behaviors	299
	37.	Productive Study-Time Logs
	38.	Punctuated Lectures
	39.	Process Analysis
	40.	Diagnostic Learning Logs
9.	Techniques for Assessing Learner Reactions to Instruction	317
	Assessing Learner Reactions to Teachers and Teaching	320
	41.	Chain Notes
	42.	Electronic Mail Feedback
	43.	Teacher-Designed Feedback Forms

44. Group Instructional Feedback Technique	
45. Classroom Assessment Quality Circles	
Assessing Learner Reactions to Class Activities, Assignments, and Materials	343
46. RSQC2 (Recall, Summarize, Question, Comment, and Connect)	
47. Group-Work Evaluations	
48. Reading Rating Sheets	
49. Assignment Assessments	
50. Exam Evaluations	
PART THREE: BUILDING ON WHAT WE HAVE LEARNED	363
10. Lessons and Insights from Six Years of Use	365
Lessons Learned from Our Own Research on the TGI	
Lessons Learned from Reports by Faculty Participants	
Faculty Views on Costs and Benefits of Classroom Assessment	
Summary of Lessons Learned from Faculty Participants	
11. Taking the Next Steps in Classroom Assessment and Research	381
Departmental Engagement in Classroom Research	
Ventures into Learning Theory	
RESOURCES	389
A. Colleges Participating in the 1990 Teaching Goals Inventory Survey	391
B. Teaching Goals Inventory and Self-Scorable Worksheet	393
C. 1990 Comparative Data on the Teaching Goals Inventory in Community Colleges	399
D. 1990 Comparative Data on the Teaching Goals Inventory in Four-Year Colleges	403
E. Bibliography of Resources on Classroom Research and Assessment	407
References	409
Index	415