

HANDBOOK OF TASK ANALYSIS PROCEDURES

David H. Jonassen'
Wallace H. Hannum
Martin Tessmer

PRAEGER

New York
Westport, Connecticut
London

CONTENTS

Preface	vii
Acknowledgments	ix
Introduction: How to Use This Book	xi
PART I: OVERVIEW OF TASK ANALYSIS	
1 Task Analysis: What It Is and What It Isn't	3
2 Selecting Task Analysis Techniques	17
3 Sequencing the Task Analysis Process	31
PART II: LEARNING ANALYSIS TECHNIQUES	
4 Learning Hierarchy Analysis	37
5 Procedural Analysis	47
6 Information-Processing Analysis	59
7 Path Analysis	74
8 Instructional Analysis	85
9 Component Display Theory	95
10 Learning Contingency Analysis	109
11 Mathetics	119
12 Bloom's Taxonomy of Educational Objectives	132
13 Leith's Taxonomy of Learning	145

PART III: JOB/SKILL/BEHAVIOR ANALYSIS TECHNIQUES

14	Behavioral Analysis	157
15	Task Description	166
16	Methods Analysis	177
17	Functional Job Analysis	187
18	Job Task Analysis	200
19	Training Situation Analysis	212
20	Extended Task Analysis Procedure	233
21	Critical Incident Method	244
22	Fault Tree Analysis	253
23	Performance Analysis	265
24	Task Selection Criteria	275

PART IV: SUBJECT MATTER/CONTENT ANALYSIS TECHNIQUES

25	Concept Hierarchy Analysis	293
26	Pattern Noting	306
27	Elaboration Theory	316
28	Master Design Chart	345
29	Matrix Analysis	354
30	Syntactic Analysis	364

PART V: INFORMATION-GATHERING TOOLS FOR TASK ANALYSIS TECHNIQUES

31	Documentation Analysis	375
32	Observation: Unobtrusive and Participative	378
33	Individual Interviews	385
34	Survey Questionnaires	390
35	Structured Group Interviews: Delphi Technique	397
36	Unstructured Group Interviews: Focus Groups and Brainstorming	401
	Index	405