

## CONTENTS

PART I SAFETY AND HEALTH THEN AND NOW	
1 Safety and Health-History and Trends	3
2 Functions and Directions of the OSH Act	31
3 Concepts and Theories of accident Prevention	50
PART II DEVELOPING SAFE WORKING CONDITIONS AND PRACTICES	
4 Human Factors in Machines, Equipment, and the Environment	75
5 Safeguarding Machines and Equipment	99
6 Behavioral Factors in Accident Control	123
PART III CREATING AND MAINTAINING SAFETY AWARENESS	
7 Safety Training Principles and Programs	151
8 Discipline-A Factor in Accident Control	176
PART IV APPRAISING, ANALYZING, AND MEASURING SAFETY PERFORMANCE	
9 Accident Reports-Analysis and Use	195
10 Plant and Equipment Safety Appraisals	243
11 Safe-Performance Measurement-Techniques and Principles	269
12 Accident Investigation and Cause Analysis	308
PART V TOWARD TOTAL INVOLVEMENT IN SAFETY AND HEALTH	
13 Safety Engineers-Their Role and Their Future	337
14 Safety and Health-Supervisors and Managers Responsibilities	366
15 The Participative Role of Employees and Unions in Safety and Health	391
PART VI OCCUPATIONAL HEALTH-HAZARD CONTROL	
16 Fundamentals of Industrial Hygiene	425
17 Noise Control and Hearing Conservation	4567
18 Elements of Personal Protective-Equipment Programs	480
PART VII OTHER COMPONENTS OF A TOTAL LOSSCONTROL PROGRAM	
19 Fire-Protection and Fire-Prevention Technology	513
20 Product-Safety Engineering	545
Appendixes	567
Index	607