Detailed Contents

Preface xv

Allen F. Repko, Rick Szostak, William H. Newell
   Audience xvi
   The Research Model xix
   Outline of Chapters xx

Part I: Introduction xx
   Chapter 1: The Interdisciplinary Research Process xx

Part II: Drawing on Disciplinary Insights xxi
   Chapter 2: Jewish Marriage as an Expression of Israel’s Conflicted Identity xxi
   Chapter 3: The Metropolitan Problem in Interdisciplinary Perspective xxi
   Chapter 4: Mektoub: When Art Meets History, Philosophy, and Linguistics xxii

Part III: Approaches to Integration xxii
   Chapter 5: Integrating Theory-Based Insights on the Causes of Suicide Terrorism xxii
   Chapter 6: An Interdisciplinary Analysis of the Causes of Economic Growth xxiii
   Chapter 7: Why We Talk: An Interdisciplinary Approach to the Evolutionary Origin of Language xxiii
   Chapter 8: Understanding Human Action: Integrating Meanings, Mechanisms, Causes, and Contexts xxiv
   Chapter 9: Integrative Theory in Criminology Applied to the Complex Social Problem of School Violence xxiv
   Chapter 10: Research Integration: A Comparative Knowledge Base xxv

Conclusion xxv
PART I INTRODUCTION 1

1. The Interdisciplinary Research Process 3
   Rick Szostak
   Introduction 3
   Should Interdisciplinarians Identify Such a Process? 3
   Structure Versus Freedom 4
   The Role of Shared Methodologies 5
   Revolutionary Versus Normal Science 5
   Interdisciplinarity and Training 7
   Strategic Interdisciplinarity 7
   What Would an Interdisciplinary Research Process Look Like? 8
   Interdisciplinary Research: Process and Theory 8
   The Ecology of Team Science 11
   Integration and Implementation Sciences 12
   Types of Interdisciplinarity 14
   Transdisciplinary Perspectives 15
   Conclusion 17

PART II DRAWING ON DISCIPLINARY INSIGHTS 21

2. Jewish Marriage as an Expression of Israel’s Conflicted Identity 23
   Marilyn R. Tayler
   Introduction 23
   Drawing on Disciplinary Insights 24
   Step 1: State the Focus Question 24
   Step 2: Justify Using an Interdisciplinary Approach 25
   Steps 3 and 4: Identify Relevant Disciplines and Conduct a Literature Search 26
   Step 5: Develop Adequacy in Each Relevant Discipline 28
   Step 6: Analyze the Problem and Evaluate Each Insight Into It 29
   The Insights of Religion 30
   The Insights of Political Science 33
   The Insights of Law 36
   Integrating Insights and Producing an Interdisciplinary Understanding 39
   Step 7: Identify Conflicts Between Insights and Their Sources 39
Sources of Conflict Within the Same Discipline 40
Sources of Conflict Between Disciplines 40
Step 8: Create or Discover Common Ground 42
Nature and Extent of Conflicts 42
The Discovery/Creation of Common Ground 43
Step 9: Integrate Insights 45
Legal Pragmatism Theory Supported by
Covenant Theory as the Basis for Integration 46
Step 10: Produce an Interdisciplinary
Understanding of the Problem and Test It 48
Conclusion 49

3. The Metropolitan Problem in Interdisciplinary Perspective 53
Michan Andrew Connor
Introduction 53
Cities and Suburbs: Spatial Framings of
Metropolitan Issues 56
Historical Perspectives on
Metropolitan Formation 58
Methodological Patterns in Urban and
Suburban History 59
Intradisciplinary Debate and the
New Suburban History 60
Parallels Between the New Suburban
History and Urban History 62
Alternate Spatial Framings in the Social Sciences 62
Metropolitics: Fighting Fragmentation 63
Behavioralism and Public Choice Theory 66
Public Choice Theory and Public Policy 66
Normative and Analytical Critiques of
Public Choice Theory 67
Critical Legal Studies: The Power of Local
Government and Boundaries 69
The Limits of Social Science Perspectives
on Metropolitan Formation 71
The Social Production of Metropolitan Los Angeles 73
Theory, Practice, and Metropolitan Space: The Career
of Public Choice Theory in Los Angeles County 74
The Rule of Homes: The Culture of a
Public Choice Metropolis 79
The Image of Homes Mediates
Political Contradictions 81
Metropolitan Political Conflicts Under
Public Choice Theory 81
Conclusion 83
4. **Mektoub: When Art Meets History, Philosophy, and Linguistics**  
*Mieke Bal*

- Introduction 91
- How to Develop a Research Question 92
- The End: Philosophy of Cinema 98
- Poetry: A Cinema of Literature 102
- Where Are We? Geography of Setting 106
- Schizophrenia: Psychiatry of Cinema 110
- Tragedy: Ethics of Theater 112
- **Mektoub** 118
- Conclusion 120

**PART III  APPROACHES TO INTEGRATION**

5. Integrating Theory-Based Insights on the Causes of Suicide Terrorism  
*Allen F. Repko*

- Introduction 125
- Drawing on Disciplinary Insights (Steps 1 to 6) 126
  - Identifying the Most Relevant Disciplines (Step 3) and Conducting the Full-Scale Literature Search (Step 4) 127
  - Developing Adequacy in Each Relevant Discipline (Step 5) 128
- Analyzing the Problem and Evaluating Each Insight Into It (Step 6) 129
  - The Theory-Based Insights of Psychology 129
  - The Theory-Based Insights of Political Science 131
  - The Theory-Based Insight of Cultural Anthropology 134
  - The Theory-Based Insight of History 135
- A Taxonomy of Theory-Based Insights 136
- Integrating Causal Explanations (Steps 7 to 9) 138
  - Identifying Conflicts in Insights and Locating Their Sources (Step 7) 139
    - Conflicting Disciplinary Perspectives 139
    - Conflicting Disciplinary Assumptions 139
    - Conflicting Disciplinary Theories 140
    - Summary of These Theories and How Their Assumptions Conflict 143
  - Creating Common Ground (Step 8) 145
  - Constructing a More Comprehensive Understanding (Step 9) 145
    - A Statement of the More Comprehensive Theory Itself 152
- Lessons for Interdisciplinary Practice 153
- The Final Step (Step 10) 154
- Conclusion 155
6. An Interdisciplinary Analysis of the Causes of Economic Growth
Rick Szostak
Introduction 159
Identify an Interdisciplinary Research Question 160
Identifying Relevant Phenomena, Theories, Methods, and Disciplines 161
Evaluating Disciplinary Insights 166
Creating Common Ground 168
The Proximate Causes Themselves 170
Trade and Growth 171
Technology and Growth 173
Institutions 174
Culture and Growth 179
Networks 181
Social Structure 183
Community Development 183
Emergent Properties 184
Lessons for Interdisciplinary Practice 185
Reflection and Communication 186
Conclusion 187

7. Why We Talk: An Interdisciplinary Approach to the Evolutionary Origin of Language
Ria van der Leeq
Introduction 191
Beginning the Research Process (Steps 1 to 4) 191
Framing the Research Question (Step 1) 191
Justifying an Interdisciplinary Approach (Step 2) 192
Identifying Relevant Disciplines (Step 3) and Conducting an In-Depth Literature Search (Step 4) 192
Drawing on Disciplinary Insights on the Primary Function of Language (Steps 5 to 6) 194
Developing Adequacy in Each Relevant Discipline (Step 5) 194
Evaluating Disciplinary Insights (Step 6) 195
The Theory of Evolution 196
Contemporary Theories 198
Integrating Insights and Producing an Interdisciplinary Understanding (Steps 7 to 10) 210
Identifying Conflicts Between Insights and Their Sources (Step 7) 212
A Taxonomy of Conflicting Insights 213
Conflicting Concepts 215
Conflicting Assumptions 215
Creating Common Ground (Step 8) 216
8. Understanding Human Action: Integrating Meanings, Mechanisms, Causes, and Contexts

Machiel Keestra

Introduction

Mechanism-Based Explanation in Brief

Drawing on Disciplinary Insights (Steps 1 to 6)

Defining the Problem: Decomposition of Action Understanding

Justify Using an Interdisciplinary Approach: Action Understanding as a Multilevel Phenomenon

Identify Disciplines Most Relevant to the Mechanism-Based Approach

Conduct an In-Depth Literature Search

Develop Adequacy Concerning the Relevant Components, Operations, and Interactions of the Mechanism

Analyze the Phenomenon and Evaluate Each Insight Into It

Integrating Insights (Steps 7 to 10)

Identify Conflicts Between Insights and Locate Their Sources

Create or Discover Common Ground via a Mechanism

Integrate Insights Into a Mechanism-Based Explanation

Produce a Mechanism-Based Explanation of Human Action Understanding and Test It

Conclusion

9. Integrative Theory in Criminology Applied to the Complex Social Problem of School Violence

Stuart Henry and Nicole L. Bracy

Introduction

Creating Common Ground(s) and a Comprehensive Understanding in Criminology

Conceptual Integration

Propositional Integration

Causal Integration

Cross-Level Integration