

Contents

Forward	vii
Part 1. Introduction, Process, and Problem	1
1. Introduction	3
2. Problem Solving as a Generic Instructional Design Process	11
3. Defining the Problem	23
Part 2. Multimedia as a Set of Solutions	37
4. Generating Solutions: Multimedia Hardware	39
5. Generating Solutions: Methods and Models for Using Multimedia	55
6. Generating Solutions: Purchasing or Obtaining Existing Applications	65
7. Generating Solutions: Developing Your Own Multimedia Applications	77
8. Generating Solutions: Repurposing Multimedia Applications	89
Part 3. Selecting, Using, and Evaluating Multimedia	103
9. Deciding Among Alternatives: The Niche for Multimedia	105
10. Implementing Your Solution: Using Multimedia as a Teaching and Learning Tool	115
11. Evaluating the Use of Multimedia	123

Part 4. The Future and Conclusion	133
12. The Future of Multimedia	135
13. Summary and Conclusion	147
Part 5. Resources	153
Appendix: Resources for Multimedia in Higher Education	155
Glossary	159
References	165
Index	173