

Contents

<i>Preface</i>	<i>page</i> xiii
<i>Introduction</i>	xv
I Basics	1
1 A Contribution to Welfare Economics	3
1.1 Introduction	3
1.2 Theory of Fair Allocation	4
1.3 Arrovian Social Choice Theory	10
1.4 Welfarism	13
1.5 Multidimensional Inequality and Welfare Dominance	14
1.6 Bergson–Samuelson Social Welfare Functions	16
1.7 Cost–Benefit Analysis	18
1.8 Money-Metric Utilities	20
1.9 Conclusion	22
2 Efficiency versus Equality	23
2.1 Introduction	23
2.2 Resource Equality versus Pareto Efficiency	24
2.3 Accommodating Equality	28
2.4 Conclusion	37
3 Priority to the Worst-Off	39
3.1 Introduction	39
3.2 Absolute Priority to the Worst-Off	40
3.3 From Nested-Contour Transfer to Absolute Priority	46
3.4 From Equal-Split Transfer to Absolute Priority	49
3.5 Conclusion	52
4 The Informational Basis of Social Orderings	54
4.1 Introduction	54
4.2 The Feasible Set	54
4.3 Information on Preferences	60

x	Contents	
	4.4 Allocation Rules as Social Ordering Functions	67
	4.5 Conclusion	70
II	Distribution	73
5	Fair Distribution of Divisible Goods: Two Approaches	75
5.1	Introduction	75
5.2	From Equal Split to Ω -Equivalence	75
5.3	A Walrasian SOF	80
5.4	Second-Best Applications	90
5.5	Conclusion	95
6	Specific Domains	98
6.1	Introduction	98
6.2	Expected Utility	98
6.3	Nonconvex Preferences	101
6.4	Homothetic Preferences	105
6.5	Indivisibles	109
6.6	Conclusion	114
7	Extensions	115
7.1	Introduction	115
7.2	Cross-Profile SOFs	116
7.3	Functionings	121
7.4	Legitimate Endowments	123
7.5	Rationalizing Allocation Rules	127
7.6	Conclusion	131
III	Production	133
8	Public Goods	135
8.1	Introduction	135
8.2	The Model	136
8.3	Three Axioms	139
8.4	Two Solutions	143
8.5	Pure Public Goods	154
8.6	Second-Best Applications	158
9	Private Goods	166
9.1	Introduction	166
9.2	A Simple Model with Private Rights on the Input	167
9.3	Assessing Reforms	171
9.4	A Third-Best Analysis	172
9.5	A General Model of Production and Allocation	175
9.6	Conclusion	178
10	Unequal Skills	180
10.1	Introduction	180

Contents	xi
10.2 The Model	182
10.3 Compensation versus Responsibility: Ethical Dilemmas	183
10.4 Weakening the Basic Axioms	188
10.5 Compromise Axioms	195
10.6 From Transfer to Priority Axioms	197
10.7 Conclusion	201
11 Income Taxation	203
11.1 Introduction	203
11.2 The Model	204
11.3 Assessing Reforms	208
11.4 Optimal Taxation Schemes in a Simple Economy	217
11.5 Optimal Taxation Schemes	222
11.6 Conclusion	232
12 Conclusions	234
Appendix A: Proofs	239
A.1 Chapter 3: Priority to the Worst-Off	239
A.2 Chapter 5: Fair Distribution of Divisible Goods	242
A.3 Chapter 6: Specific Domains	263
A.4 Chapter 7: Extensions	272
A.5 Chapter 10: Unequal Skills	275
<i>Bibliography</i>	279
<i>Index</i>	287