

Table of Contents

1	Introduction	1
2	Financial structure and strategic competition	4
2.1	Financial structure decision of an individual firm	5
2.1.1	Modigliani Miller proposition	5
2.1.2	Theories of optimal capital structure	6
2.2	Financial structure and product market competition.....	7
2.2.1	Optimal capital structure in a static framework.....	8
2.2.1.1	Limited liability effect and price competition.....	8
2.2.1.2	Limited liability effect and price and capacity competition	14
2.2.2	Capital structure in a dynamic framework.....	22
2.2.2.1	Price competition and long-term debt.....	22
2.2.2.2	Impact of consumer switching costs	27
2.2.2.3	Product quality and long-term debt.....	29
2.2.2.4	Predatory pricing.....	34
2.2.2.5	Summary.....	35
2.2.3	Capital structure and market entry.....	36
2.2.3.1	Assumptions	36
2.2.3.2	Output stage	39
2.2.3.3	Financial stage	41
2.2.3.4	Discussion.....	41
2.3	Empirical findings	42
2.4	Conclusion	43
3	Credit financing and strategic competition	46
3.1	Introduction: Contract theory	47
3.1.1	General ideas and definitions	47
3.1.2	The revelation principle.....	48
3.2	Credit financing: The individual firm-bank relationship	49
3.2.1	Moral hazard	50
3.2.1.1	Costly state verification and standard debt contract	50
3.2.1.2	Renegotiation of the standard debt contract.....	54

3.2.2	Multi-period credit contracting.....	56
3.2.2.1	Dynamic moral hazard.....	56
3.2.2.2	Long-term contracting when costly state verification is not possible	57
3.2.3	Discussion	61
3.3	Credit financing and product market competition	62
3.3.1	Credit financing and price competition	63
3.3.1.1	Credit financing, price competition, and consumer switching cost	63
3.3.1.2	Credit financing, market power of banks, and price competition	69
3.3.2	Credit financing, innovation, and product market competition	76
3.3.2.1	Introduction.....	76
3.3.2.2	A dynamic game of innovation and price competition	77
3.3.2.3	Optimal debt contract for one externally financed firm	87
3.3.2.4	Optimal contracts when both firms need external debt financing	94
3.3.2.5	Predation.....	100
3.3.3	Discussion	101
3.4	Conclusion.....	103
3.5	Appendix	104
4	Venture capital financing and strategic competition.....	106
4.1	Introduction	107
4.1.1	The financial growth cycle	107
4.1.2	Characteristics of venture capital financing	110
4.2	Venture capital financing – the individual firm’s perspective	113
4.2.1	Allocation of control rights	114
4.2.1.1	Assignment of control rights.....	114
4.2.1.2	The search for a professional management.....	122
4.2.1.3	Efficient intervention by the venture capitalist	123
4.2.1.4	Discussion.....	125
4.2.2	Allocation of ownership rights	125
4.2.2.1	Moral hazard and financial instruments.....	126
4.2.2.2	Double moral hazard.....	129
4.2.2.3	Contracting with a venture capitalist and an outside investor	135
4.2.2.4	Dynamic contracting, moral hazard, and learning ..	141
4.2.2.5	Discussion.....	150

4.3	Venture capital financing and product market competition.....	151
4.3.1	Assumptions	153
4.3.1.1	The basic model.....	157
4.3.1.2	Innovation, entry, and competition in a two-period framework.....	158
4.3.2	Venture capital contracting.....	161
4.3.2.1	Short-term contracting	162
4.3.2.2	Long-term contracting	168
4.3.2.3	Discussion of the results	176
4.3.3	Strategic reactions of the incumbent.....	178
4.3.3.1	Innovation and cost reduction.....	178
4.3.3.2	Predation	184
4.3.4	Discussion	189
4.4	Conclusion.....	191
4.5	Appendix	192
5	Conclusion	200
	References	207
	Figures.....	214
	Tables	215
	List of symbols.....	216



<http://www.springer.com/978-3-540-44294-3>

Corporate Finance, Innovation, and Strategic
Competition

Neff, C.

2003, IX, 218 p., Softcover

ISBN: 978-3-540-44294-3