Contents

Fo	reword James Rhem	ix
Edi	itors' Preface Scott P. Simkins and Mark H. Maier	xiii
PA	RT ONE Getting Started With Just-in-Time Teaching	1
1	An Introduction to Just-in-Time Teaching (JiTT) Gregor Novak and Evelyn Patterson	3
2	Using Just-in-Time Teaching to Motivate Student Learning Mary Elizabeth Camp, Joan Middendorf, and Carol Subiño Sullivan	25
3	Just-in-Time Teaching and Peer Instruction Jessica Watkins and Eric Mazur	39
4	Just-in-Time Teaching in Combination With Other Pedagogical Innovations Mark H. Maier and Scott P. Simkins	63
PA	ART TWO Implementing Just-in-Time Teaching in the Disciplines	79
5	Using Just-in-Time Teaching in the Biological Sciences Kathleen A. Marrs	81
6	Using Just-in-Time Teaching in the Geosciences Laura A. Guertin	101
7	Using Just-in-Time Teaching in the Physical Sciences Andrew D. Gavrin	117

viii		Contents
8	Using Just-in-Time Teaching in Economics Mark H. Maier and Scott P. Simkins	129
9	Using Just-in-Time Teaching in History David Pace and Joan Middendorf	153
10	Using Just-in-Time Teaching to Foster Critical Thinking in a Humanities Course Claude Cookman	163
Co	ntributors	179
Ind	lex	181