CONTENTS

Unit 1: A Conception of Integrated Science Education	5
Unit 2: Some Philosophic, Didactic and Social Aspects of Integrated Science Education	12
Unit 3: The Main Tendencies of Integrated Science Education Development	20
Unit 4 & Unit 5: Integrated Science Education in the Context of the Constructivism Theory. Integrated Science Teaching in Terms of the Constructivist Approach	30
Unit 6: The Models of Integrated Science Education	40
Unit 7: The Integrated Science Education Curricula and its Designing Principles in Comprehensive School	49
Unit 8: The Science Education Tools and Ways of Producing them in the Collaboration Process	65
Unit 9 & Unit 10: A Constructivist Approach to Integrated Science Education: Teaching Would-be Teachers to do Science. Designing a Integrated Science Methods Course for Initial Science Teachers.	75
Unit 11 & Unit 12: Contextual Teaching and Learning of Integrated Science in Lower and Upper Secondary Schools. The Specificities of Integrated Science Teaching in Lower and Upper Secondary School.	87
Unit 13: The Evaluation Strategies of Integrated Science Teaching /Learning	96
Unit 14: The Collaboration Peculiarities of Science Teachers	105