Contents

vii	Preface
Part One	The Epistemological Foundation of Islamic Science
1	Chapter 1 Religious Consciousness and the Scientific Spirit in Islamic Tradition
13	Chapter 2 The Question of Methodology in Islamic Science
39	Chapter 3 The Place of Doubt in Islamic Epistemology: al-Ghazzālī's Philosophical Experience
Part Two	Man, Nature, and God in Islamic Science
61	Chapter 4 The Unity of Science and Spiritual Knowledge: The Islamic Experience
77	Chapter 5 The Atomistic Conception of Nature in Ash'arite Theology
103	Chapter 6 An Introduction to the Philosophy of Islamic Medicine
Part Three	Islamic Science and the West
131	Chapter 7 The Influence of Islamic Science on Medieval Christian Conceptions of Nature

157 Chapter 8 "Umar Khayyām's Criticism of Euclid's Theory of **Parallels** Islam and Modern Science Part Four Chapter 9 173 Islam and Bioethics 201 Chapter 10 Muslim Intellectual Responses to Modern Science 227 Chapter 11 Islam, Science and Technology: Past Glory, Present Predicaments, and The Shaping of The Future 243 **Appendix**

Designing a Sound Syllabus for Courses on Philosophy of Applied and Engineering Sciences in a 21st Century Islamic University

Index 253