

Laboratory Management

Principles and Processes

Second Edition

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Dedication

This book is dedicated to my family especially, my husband, who has always supported all of my works and who has encouraged me to fulfill my potential.....

And

To all laboratory personnel- past, present, and future- who have touched and will continue to touch the lives of so many students and patients.....

I also dedicate this book to you in the hope of inspiring an unquenchable thirst for knowledge.

Preface

Currently, there is a great demand for laboratory managers, with a national vacancy rate of 15%. The rapidly changing laboratory environment is constantly responding to diverging trends in healthcare. This mandates the requirement for effective management. Laboratory managers will need to create new solutions to today's problems. This book is designed to give a problem-based approach to teaching the principles of laboratory management. The focus is to present underlying managerial concepts and then assist the learner in the successful application of theoretical models to real-life situations. Each chapter begins with an illustrative case to present a management problem followed by thought-provoking questions to stimulate the learners critical thinking skills. In addition, each chapter contains an outline and educational objectives that can be used in teaching. Internet and website references permit the learner to acquire advanced and current information in each of the major topic areas. Problem-based learning activities are listed at the end of each chapter to serve as a guide for instruction and reinforcement of the content presented. Eighteen chapters are divided into four major areas of management: Basic Principles and Organizational Structure, Human Resource, Finance, and Operations. Unique to this book is a chapter on Education and Training, a chapter on Ethical Issues in Laboratory Management, a chapter on Career Planning and a glossary of key terms. The Author and contributors of *Laboratory Management: Principles and Processes 2nd Edition* present detailed management and educational information along with real-life problem-based learning activities designed to engage learners by assuming managerial roles. Learners are encouraged to use these problem-based activities not only to review knowledge presented in this text but also to gain further knowledge related to the management and educational aspects of laboratory science. I would like to acknowledge and thank my husband, Jesse A. Javens, for his contribution, dedication and support of this book. I would also like to thank Virginia C. Hughes, MS, MT(ASCP)SBB for reviewing the chapters and sharing her expertise and time for this second edition.

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