



JONES & BARTLETT LEARNING

NAVIGATE™

Respiratory Care

The First Comprehensive Online Curriculum Solution That Prepares Students for a Career as a Respiratory Therapist



Navigate Respiratory Care is a comprehensive, online 10-course curriculum that uniquely prepares students for a rewarding career as a Respiratory Therapist.

A NEW PARADIGM FOR RESPIRATORY CARE EDUCATION

- Course objectives are correlated to the National Board for Respiratory Care (NBRC) matrix for Certified Respiratory Therapist (CRT), Registered Respiratory Therapist (RRT) certification exams and the Clinical Simulation Examination (CSE).
- Authoritative and interactive content is instructionally designed using best practices from Bloom's Taxonomy and adult learning theory with a focus on developing cognitive intelligence and practical skills needed for success in clinical practice
- Student assessments, interactive activities, and remediation help improve learning outcomes
- Course management tools help instructors save time and monitor student progress

- ✓ Easily adaptable for instructor-led courses taught on-ground, online, or in hybrid formats
- ✓ Each course can be adopted independently, or adopted as a complete curriculum solution

- ✓ All courseware can be used with or without an optional print textbook, depending on course needs
- ✓ Improve institutional retention, persistence, and student outcomes at less cost than with traditional textbook models

Navigate Respiratory Care Courses Include:



Richly Interactive Course Lessons

aligned to course objectives promote student engagement and retention. Developed using best practices in instructional design and learning theory, Interactive Course Lessons help students learn at their own pace, and in their own way.



Practice Activities

give students an opportunity to try out new concepts in a safe learning environment. Featuring numerous interactive and informative learning resources and activities, they gauge understanding and help students study more effectively, and in less time.



Formative assessments

offer students ample opportunities to practice building competence against learning objectives. Summative assessments ensure that students have complete mastery of course concepts as they move through the material.



Optional online course hosting with Moodle™

simplifies the management and delivery of curriculum and assessments to students enabling "anytime, anywhere" access to learning. Learn more about hosted course management tools from Jones & Bartlett Learning at www.jblnavigate.com

Want to Learn More?

Please contact your Account Specialist at 1-800-832-0034 or visit go.jblearning.com/NavigateRespiratoryCare to find out how Navigate can improve student learning outcomes and provide efficient course management tools and analytics for instructors.

Navigate Respiratory Care: Cardiopulmonary Anatomy & Physiology

ISBN-13: 978-1-4496-7214-0

Cardiopulmonary Anatomy & Physiology examines the interaction among the body systems that affect respiration. It first covers cardiopulmonary anatomy and the circulatory systems that transport oxygen to the cells of the body. After examining oxygen transport in detail, the course covers diffusion and ventilation. Included are the other body organs and systems that are part of or affect respiration.

Navigate Respiratory Care: Patient Assessment

ISBN-13: 978-1-4496-7215-7

Patient Assessment introduces the student to all aspects of the patient encounter. The information ranges from the soft skills needed to achieve fruitful communication to the technical skills needed to perform all the tasks of patient assessment. The material attempts to help the student understand the various types of people they will encounter on the job, how to be successful in their interactions, and how to be competent in all required tasks.

Navigate Respiratory Care: Foundations of Respiratory Care

ISBN-13: 978-1-4496-7963-7

Foundations of Respiratory Care introduces the students to the basic science they will need to function as respiratory therapists. The course starts with the metric system—the measurement system of health care—and continues through math and physics. The physical and mechanical laws that form the foundation of respiratory care are examined in detail. Lastly, chemistry, microbiology, and research and statistics round out the foundational science needed in the respiratory care program.

Navigate Respiratory Care: Pharmacology

ISBN-13: 978-1-4496-7213-3

Pharmacology covers this fundamental aspect in the treatment of respiratory disease. This course familiarizes students with the basic subsections of pharmacology. It covers pharmacodynamics and pharmacokinetics in detail and informs the student about types of respiratory medications, their use, precautions, and indications. The course also discusses the education of patients about medications and their use.

Navigate Respiratory Care: Equipment & Procedures

ISBN-13: 978-1-4496-7964-4

Equipment & Procedures introduces the many types of equipment used in respiratory care and how to use them in clinical practice. It discusses various procedures that respiratory therapists will need to perform as well as safety and infection control to be used in any patient contact.

Navigate Respiratory Care: Mechanical Ventilation

ISBN-13: 978-1-4496-7965-1

Mechanical Ventilation encompasses the knowledge and understanding of the equipment, procedures, complications, indications, and weaning of mechanical ventilation. The student is guided step-by-step through indications for mechanical ventilation; how to initiate it; how to monitor various body systems while the patient is on mechanical ventilation; how to adjust it; and how to wean the patient. Specialty ventilators are covered for the therapist who is going to work on special cases or in home care.

Navigate Respiratory Care: Cardiopulmonary Pathophysiology

ISBN-13: 978-1-4496-7966-8

Cardiopulmonary Pathophysiology reviews the pathophysiology of respiratory disease. The lessons are separated by disease with each lesson discussing etiology, diagnosis, treatment, and outlook. Some of the diseases will be encountered frequently but this course also prepares the student for rarer disorders that they may treat in the future.

Navigate Respiratory Care: Cardiopulmonary Diagnostics

ISBN-13: 978-1-4496-7967-5

Cardiopulmonary Diagnostics covers the full range of cardiopulmonary indicators. Blood and hematology are discussed in sufficient detail for the respiratory therapist to understand how test results indicate potential problems. The diagnostics of imaging the cardiopulmonary system is presented as is the ECG and its findings. In addition to other related tests, the student examines interventional cardiopulmonary procedures.

Navigate Respiratory Care: Neonatal & Pediatric Care

ISBN-13: 978-1-4496-7968-2

Neonatal and Pediatric Care provides the student with a full understanding of the special needs of neonates, infants, and children, including the conditions and diseases they face and the procedures necessary to the survival of this fragile population. Several lessons concentrate on the respiratory conditions of prematurity, how they are treated and managed, and the outcomes. The infant and pediatric population is prone to certain respiratory diseases that must be treated as acute or managed as chronic.

Navigate Respiratory Care: Special Topics & Specialties

ISBN-13: 978-1-4496-7969-9

Special Topics & Specialties covers topics that the respiratory therapist will use throughout his or her career. Ethical and legal considerations will play a role in how the therapist handles patients and interacts with the healthcare team. The special topics are nutritional support, exercise for the respiratory patient, disaster management, home care, polysomnography, basic life support, ACLS, care of the elderly, end-of-life care, communication skills, the career of respiratory therapy, and the evolving role of the respiratory therapist.