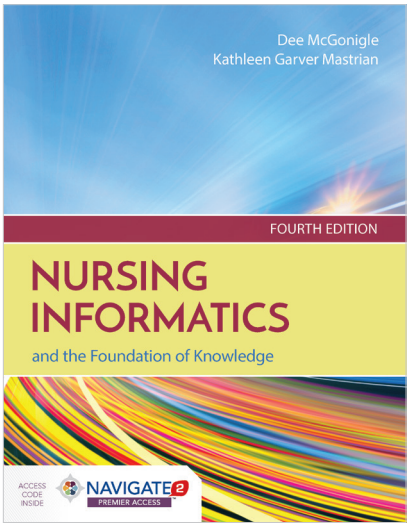
TRANSITION GUIDE



Dee McGonigle, PhD, RN, CNE, FAAN, ANEF
Kathleen Garver Mastrian, PhD, RN

ISBN-13: 978-1-284-12124-7
Navigate 2 Advantage Access
590 pages • © 2018

This transition guide serves to outline the updates and new content found in ***Nursing Informatics and the Foundation of Knowledge, Fourth Edition.***

SUMMARY

Nursing Informatics and the Foundation of Knowledge, Fourth Edition teaches nursing students the history of healthcare informatics, current issues, basic informatics concepts, and health information management applications. The text addresses basic through complex concepts to target the needs of the novice through innovator. The text takes the reader from the building blocks of informatics through complicated topics such as data mining, bioinformatics, and system development. The content is enhanced through its grounding in the Foundation of Knowledge Model founded by the authors.

The purpose of this text is to provide a set of practical and powerful tools to ensure that students gain a solid understanding of Nursing Informatics and is able to move from information through knowledge to wisdom. The field of Informatics is a rapidly growing and ever-changing. In accordance with industry changes the *Fourth Edition* has been update to include two competency based assessment tools: TANIC and NICA L3/L4.

OUTSTANDING FEATURES OF THE FOURTH EDITION:

- Coverage of change theory
- Updates on EHR systems and their increased use
- Information on SMART technologies and patient safety
- New tools including wearables, connectivity, virtual patient tools, apps
- Simulated clinical experiences
- Emerging technologies
- Navigate 2 Premier Access

INSTRUCTOR RESOURCES:

- Test Bank
- PowerPoints
- Lectures
- Syllabus
- Instructor's Resource Guide
- Practice Activities
- Assessment of In-Seat and Credit Hours
- Videos: "What's New in Nursing Informatics"

APPLICABLE COURSES:

- Nursing Informatics
- Healthcare Informatics
- Clinical Informatics
- Health Information Systems

CHAPTER UPDATES:

- Added change theory
- Updates on HER systems
- Information on SMART technologies and patient safety
- Coverage of new tools including wearables, connectivity, virtual patient tools
- Simulated clinical experiences
- Emerging Technologies

STAY CONNECTED

Facebook:
www.facebook.com/JBLearningNursing

Twitter:
@JBL_Nursing

Blog:
blogs.jblearning.com/nursing

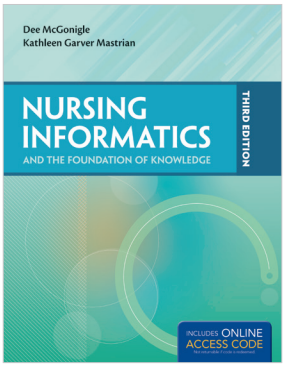
SourceCode: McGon4js

JONES & BARTLETT LEARNING
An Ascend Learning Company

Jones & Bartlett Learning | 5 Wall Street | Burlington, MA | 01803
phone: 1-800-832-0034 | fax: 978-443-8000 | **www.jblearning.com**

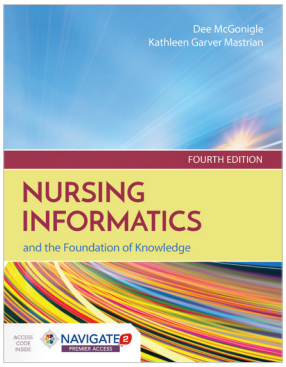
CHAPTER OUTLINE

This chapter outline comparison has been created to help you easily transition to the *Fourth Edition*. Note that chapter content from the *Third Edition* may now be found in a different chapter in the *Fourth Edition*. Also note that chapter numbers and titles may have been updated.



Nursing Informatics and the Foundation of Knowledge, Third Edition

by Dee McGonigle and Kathleen Garver Mastrian



Nursing Informatics and the Foundation of Knowledge, Fourth Edition

by Dee McGonigle and Kathleen Garver Mastrian

Section I: Building Blocks of Nursing Informatics		Section I: Building Blocks of Nursing Informatics
Chapter 1: Nursing Science and the Foundation of knowledge		Chapter 1: Nursing Science and the Foundation of Knowledge
Chapter 2: Introduction to Information, Information Science, and Information Systems		Chapter 2: Introduction to Information, Information Science, and Information Systems
Chapter 3: Computer Science and the Foundation of Knowledge Model		Chapter 3: Computer Science and the Foundation of Knowledge Model
Chapter 4: Introduction to Cognitive Science and Cognitive Informatics		Chapter 4: Introduction to Cognitive Science and Cognitive Informatics
Chapter 5: Ethical Applications of Informatics		Chapter 5: Ethical Applications of Informatics
Section II: Perspectives on Nursing Informatics		Section II: Perspectives on Nursing Informatics
Chapter 6: Overview of Nursing Informatics		Chapter 6: History and Evolution of Nursing Informatics
Chapter 7: Nursing Informatics Roles, Competencies, and Skills		Chapter 7: Nursing Informatics as a specialty
Chapter 8: Information and Knowledge Needs of Nurses in the 21st Century		Chapter 8: Legislative Aspects of Nursing Informatics: HITECH and HIPAA
Chapter 9: Legislative Aspects of Nursing Informatics: HITECH and HIPAA		
Section III: Nursing Informatics Administrative Applications: Precare and Care Support		Section III: Nursing Informatics Administrative Applications: Precare and Care Support
Chapter 10: Systems Development Life Cycle: NI and Organizational Decision Making		Chapter 9: Systems Development Life Cycle: NI and Organizational Decision Making
Chapter 11: Administrative Information Systems		Chapter 10: Administrative Information Systems
Chapter 12: The Human–Technology Interface		Chapter 11: The Human–Technology Interface
Chapter 13: Electronic Security		Chapter 12: Electronic Security
Chapter 14: Workflow and Meaningful Use		Chapter 13: Workflow and Meaningful Use
Section IV: Nursing Informatics Practice Applications: Care Delivery		Section IV: Nursing Informatics Practice Applications: Care Delivery
Chapter 15: The Electronic Health Record and Clinical Informatics		Chapter 14: The Electronic Health Record and Clinical Informatics
Chapter 16: Informatics Tools to Promote Patient Safety and Quality Outcomes		Chapter 15: Informatics Tools to Promote Patient Safety and Quality Outcomes
Chapter 17: Supporting Consumer Information and Education Needs		Chapter 16: Patient Engagement and Connected Health
Chapter 18: Using Informatics to Promote Community/Population Health		Chapter 17: Using Informatics to Promote Community/Population Health
Chapter 19: Telenursing and Remote Access Telehealth		Chapter 18: Telenursing and Remote Access Telehealth
Section V: Education Applications of Nursing Informatics		Section V: Education Applications of Nursing Informatics
Chapter 20: Nursing Informatics and Nursing Education		Chapter 19: Nursing Informatics and Nursing Education
Chapter 21: Simulation in Nursing Informatics Education		Chapter 20: Simulation, Gaming Mechanics and Virtual Worlds in Nursing Informatics Education
Chapter 22: Games, Simulations, and Virtual Worlds for Educators		

JONES & BARTLETT LEARNING
An Ascend Learning Company

Jones & Bartlett Learning | 5 Wall Street | Burlington, MA | 01803
phone: 1-800-832-0034 | fax: 978-443-8000 | **www.jblearning.com**

Section VI: Research Applications of Nursing Informatics		Section VI: Research Applications of Nursing Informatics
Chapter 23: Nursing Research: Data Collection, Processing, and Analysis		Chapter 21: Nursing Research: Data Collection, Processing, and Analysis
Chapter 24: Data Mining as a Research Tool		Chapter 22: Data Mining as a Research Tool
Chapter 25: Translational Research: Generating Evidence for Practice		Chapter 23: Translational Research: Generating Evidence for Practice
Chapter 26: Bioinformatics, Biomedical Informatics, and Computational Biology		Chapter 24: Bioinformatics, Biomedical Informatics, and Computational Biology
Section VII: Imagining the Future of Nursing Informatics		Section VII: Imagining the Future of Nursing Informatics
Chapter 27: The Art of Caring in Technology Laden Environments		Chapter 25: The Art of Caring in Technology Laden Environments
Chapter 28: Emerging Technologies and the Generation of Knowledge		Chapter 26: Nursing Informatics and Knowledge Management
Chapter 29: Nursing Informatics and the Foundation of Knowledge		