

GREEN COUNTRY TECHNOLOGY CENTER
Practical Nursing Program
Course Syllabus

COURSE TITLE: *MED SURG I*

COURSE LENGTH: 96 HOURS

COURSE DESCRIPTION:

Building on concepts from previous courses, this course focuses on health management, maintenance and prevention of illness; care of the individual as a whole; and deviations from the normal state of health. The administration of patient care includes using the nursing process, performing focused assessments, using critical thinking, and assisting with patient education. The systems included are integumentary, musculoskeletal, respiratory, cardiac, vascular and hematology. The concepts of patient care; treatments, pharmacology and diet therapy are included within each system. Content is presented from a patient-centered approach based on Maslow's Hierarchy of Needs. Patient care includes consideration of physiological, cognitive, psychosocial and spiritual needs. Consideration is also given to the impact of health issues, the potential physical and mental adjustments as well as diversional and rehabilitative activities.

COURSE OBJECTIVES:

1. Apply the concepts of anatomy and physiology to recognize deviations from normal.
2. Identify risk factors that contribute to the disease process.
3. Demonstrate knowledge of the diseases affecting the body systems.
4. Contrast signs and symptoms of patient health alterations with baseline data.
5. Document signs and symptoms of patient health alterations.
6. Analyze data to contribute to nursing interventions and patient outcomes on the nursing care plan.
7. Relate appropriate diagnostics and pharmacologic therapies to specific disease processes.
8. Demonstrate familiarity with and ability to monitor diagnostic test procedures
9. Integrate the biological, psychological and socio-cultural aspects of the individual into nursing care.
10. Participate in patient/family teaching to promote, maintain and restore health
11. Identify strategies to prepare patient mentally and physically for diagnostics, treatment, and potential complications
12. Describe nursing interventions that promote optimum patient health.
13. Identify interventions to prevent patient from complications associated with patient's health

COURSE TOPICS

Integumentary nursing

1. Explain function of the integumentary system
2. Distinguish among integumentary disorders
3. Describe treatments of various integumentary disorders
4. Evaluate pharmacological effects of medications used to treat integumentary disorders
5. Explain diagnostic or surgical procedures used with integumentary disorders
6. Contribute to the plan of care for patients experiencing alterations in integumentary function.
7. Assist with patient education related to self-care for integumentary function.

Musculoskeletal nursing

1. Explain the function of the musculoskeletal system
2. Distinguish among musculoskeletal disorders,
3. Explain diagnostic and surgical procedures used in musculoskeletal disorders
4. Evaluate pharmacological effects of medications used to treat musculoskeletal disorders
5. Contribute to the plan of care for patients experiencing alterations in musculoskeletal function.
6. Assist with patient education related to self-care for musculoskeletal disorders

Respiratory nursing

1. Explain the function of the respiratory system
2. Distinguish among disorders of the respiratory system.
 - a. Relate diagnostic tests and surgical procedures to the nursing care of patients with respiratory
3. Evaluate pharmacological effects of medications used to treat respiratory disorders
4. Contribute to the plan of care for patients experiencing alterations in respiratory function.
5. Assist with patient education related to self-care for respiratory disorders

Cardiac nursing

1. Explain the function of the heart
2. Distinguish among cardiac disorders
3. Relate diagnostic tests and surgical procedures to the nursing care of patients with cardiac disorders
4. Evaluate pharmacological effects of medications used to treat cardiac disorders
5. Contribute to the plan of care for patients experiencing alterations in cardiac function.
6. Assist with patient education related to self-care for cardiac disorders

Vascular nursing

1. Explain the function of the vascular system
2. Distinguish among disorders of the vascular system
3. Relate diagnostic tests and surgical procedures to the nursing care of patients with vascular disorders
4. Evaluate pharmacological effects of medications used to treat vascular disorders

5. Contribute to the plan of care for patients experiencing alterations in vascular function
6. Assist with patient education related to self-care for vascular disorders

Hematology nursing

1. Explain the function of blood components
2. Distinguish among hematological disorders
3. Relate diagnostic tests and surgical procedures to the nursing care of patients with hematological disorders
4. Evaluate pharmacological effects of medications used to treat hematological disorders
5. Contribute the plan of care for patients experiencing alterations in hematological function
6. Assist with patient education related to self-care for hematological disorders

REQUIRED TEXT AND RESOURCE

1. Christensen and Kockrow; Adult Health and Nursing Skills E-Book
2. Herlihy; Human Body in Health and Illness
3. CIMC Nursing Concepts Modules
4. I-Pad
5. I-Cat Room Assignment

GRADING PLAN

1. Exams 100%

Minimal comprehensive grade for course is 80% cumulative score

TEACHING METHODOLOGIES:

1. Facilitator Lecture
2. Audio/Visual, CD ROM
3. Student Exploratory Learning
4. Guest Speakers
5. Learning Activity Packet

Green Country Technology Center-Practical Nursing Program

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Section 1: Integumentary

Specific Objectives

1. Explain function of the integumentary system
2. Distinguish among integumentary disorders
3. Describe treatments of various integumentary disorders
4. Evaluate pharmacological effects of medications used to treat integumentary disorders
5. Explain diagnostic or surgical procedures used with integumentary disorders
6. Contribute to the plan of care for patients experiencing alterations in integumentary function.
7. Assist with patient education related to self-care for integumentary function.

Prerequisites:

Date Started:

Date Completed:

Curriculum Hours:

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Section 1: *Integumentary Nursing*

Time: 12 Hours

Learning Activities

1. READ

PN Program Layout

PN Program Glossary

Med –Surg I Syllabus

Integumentary Nursing Module

Foundations and Adult Health Nursing

Chapter 42

Human Body in Health and Illness

Chapter 7

**2. COMPLETE/
TURN IN:**

Integumentary Nursing Module

3. REVIEW:

Assigned material daily

Study for test

4. EVALUATION:

Turn in Module and handout

Exam: Integumentary

***Helpful Resources**

Additional resources from your book: <http://evolve.elsevier.com/Christensen/>

Video Resources

- 165. VIDM141-T Pressure Ulcers in Adults: Prediction and Prevention (w/video) (2 hr)

Computer Assisted Programs

- Access your Companion CD-ROM Resources and explore which resources are available to you
- Access the Evolve web-site at <http://evolve.elsevier.com/Christensen/>

Green Country Technology Center-Practical Nursing Program

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Section 2: *Musculoskeletal*

Specific Objectives

1. Explain the function of the musculoskeletal system
2. Distinguish among musculoskeletal disorders,
3. Explain diagnostic and surgical procedures used in musculoskeletal disorders
4. Evaluate pharmacological effects of medications used to treat musculoskeletal disorders
5. Contribute to the plan of care for patients experiencing alterations in musculoskeletal function.
6. Assist with patient education related to self-care for musculoskeletal disorders

Prerequisites:

Date Started:

Date Completed:

Curriculum Hours:

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Section 2: Musculoskeletal Nursing

Time: 12 Hours

Learning Activities

4. READ

PN Program Layout

PN Program Glossary

Med –Surg I Syllabus

Musculoskeletal Nursing Module

Foundations and Adult Health Nursing

Chapter 43

Human Body in Health and Illness

Chapters 8-9

**5. COMPLETE/
TURN IN:**

Musculoskeletal Nursing Module

6. REVIEW:

Assigned material daily

Study for test

4. EVALUATION:

Turn in Module and handout

Exam: Musculoskeletal

***Helpful Resources**

Additional resources from your book: <http://evolve.elsevier.com/Christensen/>

Video Resources

- 78. VIDM201RC-T Fall Prevention in Long Term Care: A Comprehensive Fall Prevention Program (w/Video) (0.5 hr)

Computer Assisted Programs

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Section 3: Respiratory

Specific Objectives

1. Explain the function of the respiratory system
2. Distinguish among disorders of the respiratory system.
 - a. Relate diagnostic tests and surgical procedures to the nursing care of patients with respiratory
3. Evaluate pharmacological effects of medications used to treat respiratory disorders
4. Contribute to the plan of care for patients experiencing alterations in respiratory function.
5. Assist with patient education related to self-care for respiratory disorders

Prerequisites:

Date Started:

Date Completed:

Curriculum Hours:

Med-Surg I

Section 3: Respiratory Nursing

Time: 12 Hours

Learning Activities

7. READ

PN Program Layout

PN Program Glossary

Med –Surg I Syllabus

Respiratory Nursing Module

Foundations and Adult Health Nursing

Chapter 48

Human Body in Health and Illness

Chapter 22

**8. COMPLETE/
TURN IN:**

Respiratory Nursing Module

9. REVIEW:

Assigned material daily

Study for test

4. EVALUATION:

Turn in Module and handout

Exam: Respiratory

***Helpful Resources**

Additional resources from your book: <http://evolve.elsevier.com/Christensen/>

Video Resources

- VIDM239R-T Airway Care: Tracheostomy Care, Tube Change, and Artificial Airway Cuff Management (w/Video) (1 hr)
- VIDBCSM258B-T Administering Medications: Topical, Suppository and Inhalant Medications (w/Video)

Computer Assisted Programs

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Section 4: Cardiac

Specific Objectives

1. Explain the function of the heart
2. Distinguish among cardiac disorders
3. Relate diagnostic tests and surgical procedures to the nursing care of patients with cardiac disorders
4. Evaluate pharmacological effects of medications used to treat cardiac disorders
5. Contribute to the plan of care for patients experiencing alterations in cardiac function.
6. Assist with patient education related to self-care for cardiac disorders

Prerequisites:

Date Started:

Date Completed:

Curriculum Hours:

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Section 4: *Cardiac Nursing*

Time: 15 Hours

Learning Activities

10. READ

PN Program Layout

PN Program Glossary

Med –Surg I Syllabus

Cardiac Nursing Module

Foundations and Adult Health Nursing

Chapter 47

Human Body in Health and Illness

Chapters 16-17

**11. COMPLETE/
TURN IN:**

Cardiac Nursing Module

12. REVIEW:

Assigned material daily

Study for test

4. EVALUATION:

Turn in Module and handout

Exam: Cardiac

***Helpful Resources**

Additional resources from your book: <http://evolve.elsevier.com/Christensen/>

Video Resources

- ❑ 50. VIDBCSM259D-T Cardiac Auscultation: Abnormal Heart Sounds, Part 1 (Basic Clinical Skills - Not for CE Credit) (w/Video)
- ❑ 51. VIDBCSM259E-T Cardiac Auscultation: Abnormal Heart Sounds, Part 2 (Basic Clinical Skills - Not for CE Credit) (w/Video)
- ❑ 52. VIDBCSM259C-T Cardiac Auscultation: Normal Heart Sounds (Basic Clinical Skills - Not for CE Credit) (w/Video)
- ❑ 53. VIDBCSM259AR-T Cardiac Auscultation: The Anatomy and Physiology of Heart Sounds (Basic Clinical Skills - Not for CE Credit) (w/Video)
- ❑ 54. 54. VIDBCSM259BR-T Cardiac Auscultation: The Process of Basic Cardiac Auscultation (Basic Clinical Skills - Not for CE Credit - w/Video)
- ❑ 90. VID78584R-T Heart Medications: Anatomy Review and Antianginals (w/Video) (1 hr)
- ❑ 91. VID78587R-T Heart Medications: Antiarrhythmic Agents, Part 1 (w/Video) (1 hr)
- ❑ 92. VID78588R-T Heart Medications: Antiarrhythmic Agents, Part 2 (w/Video) (1 hr)
- ❑ 93. VID78585R-T Heart Medications: Antihypertensives and Anticoagulants (w/Video) (1 hr)
- ❑ 94. VID78586R-T Heart Medications: Heart Failure Medications and Cholesterol-lowering Agents (w/Video) (1 hr)

Computer Assisted Programs

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Section 5: Vascular

Specific Objectives

1. Explain the function of the vascular system
2. Distinguish among disorders of the vascular system
3. Relate diagnostic tests and surgical procedures to the nursing care of patients with vascular disorders
4. Evaluate pharmacological effects of medications used to treat vascular disorders
5. Contribute to the plan of care for patients experiencing alterations in vascular function
6. Assist with patient education related to self-care for vascular disorders

Prerequisites:

Date Started:

Date Completed:

Curriculum Hours:

Med-Surg I

Section 5: *Vascular Nursing*

Time: 12 Hours

Learning Activities

13. READ

PN Program Layout

PN Program Glossary

Med –Surg I Syllabus

Vascular Nursing Module

Foundations and Adult Health Nursing

Chapter 47

Human Body in Health and Illness

Chapter 18-19

**14. COMPLETE/
TURN IN:**

Vascular Nursing Module

15. REVIEW:

Assigned material daily

Study for test

4. EVALUATION:

Turn in Module and handout

Exam: Vascular

***Helpful Resources**

Additional resources from your book: <http://evolve.elsevier.com/Christensen/>

Video Resources

- None

Computer Assisted Programs

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Section 6: *Hematology*

Specific Objectives

1. Explain the function of blood components
2. Distinguish among hematological disorders
3. Relate diagnostic tests and surgical procedures to the nursing care of patients with hematological disorders
4. Evaluate pharmacological effects of medications used to treat hematological disorders
5. Contribute the plan of care for patients experiencing alterations in hematological function
6. Assist with patient education related to self-care for hematological disorders

Prerequisites:

Date Started:

Date Completed:

Curriculum Hours:

Med-Surg I

Section 6: *Hematology Nursing*

Time: 12 Hours

Learning Activities

16. READ

PN Program Layout

PN Program Glossary

Med –Surg I Syllabus

Hematology Nursing Module

Foundations and Adult Health Nursing

Chapter 46

Human Body in Health and Illness

Chapter 15

**17. COMPLETE/
TURN IN:**

Hematology Nursing Module

18. REVIEW:

Assigned material daily

Study for test

4. EVALUATION:

Turn in Module and handout

Exam: Hematology

***Helpful Resources**

Additional resources from your book: <http://evolve.elsevier.com/Christensen/>

Video Resources

- ❑ 166. VIDM274A-T Preventing Bloodborne Infections in Long Term Care: Bloodborne Viruses (w/Video) (0.5 hr)
- ❑ 167. VIDM274C-T Preventing Bloodborne Infections in Long Term Care: Engineering Controls and Workplace Practice Controls (w/Video) (0.5 hr)
- ❑ 168. VIDM274B-T Preventing Bloodborne Infections in Long Term Care: Preventing Transmission, Protecting Yourself (w/Video) (0.5 hr)
- ❑ 169. VIDM273A-T Preventing Bloodborne Infections: Bloodborne Viruses (w/Video) (0.5 hr)
- ❑ 170. VIDM273C-T Preventing Bloodborne Infections: Engineering Controls and Workplace Practice Controls (w/Video) (0.5 hr)
- ❑ 171. VIDM273B-T Preventing Bloodborne Infections: Preventing Transmission, Protecting Yourself (w/Video) (0.5 hr)

Computer Assisted Programs

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