**Textbooks for Nursing 4:**

**REQUIRED (all, except Kaplan access, should have been purchased in previous semesters):**

Kaplan Nursing Kaplan Access Card: available only in the college bookstore. Card, along with

paid receipt, must be shown to instructor on first day of classes. This will

allow for online secure access to Kaplan homepage which provides study

skills workshops, practice tests, secure tests, test results, remediation and NCLEX-RN® prep materials resources Failure to purchase Kaplan access will result in an incomplete grade.

Nursing Kit A kit containing equipment for skills practice-available at the book store,

if not previously purchased.

Smeltzer, Bare, Brunner & Suddarth’s Medical-Surgical Nursing, 14th Ed., 2017, Lippincott,

Hinkle & Cheever (ISBN: 9781496355157)

Docucare, Lippincott (if you did not purchase it for 12-18 months prior to

Nursing 4)

Mulholland & The Nurse, the Math, the Meds: Drug calculations using dimensional Turner analysis 2015, 3nd Ed., Evolve (ISBN: 9780323187114)

Ward & Hisley Maternal-Child Nursing Care with the Women's Health Companion, 2nd Ed., F.A. Davis (ISBN: 9780803636651)

McHugh/Shuster Concept Mapping, 4th Ed., F. A. Davis (ISBN: 97803638488)

Potter & Perry Clinical nursing skills and techniques 8th Ed., Elsevier (ISBN: 978032308386)

Halter-Varcarolis Foundation of Psychiatric Mental Health Nursing, 7th Ed., Saunders

(ISBN: 978-1455753581)

Ackley & Ladwig Nursing Diagnosis Handbook, 11th Ed., Mosby (ISBN: 978-0-323-32224-9)

The following books are available for free on Stat!Ref via the Library website:

1. a. Leeuwen & Davis’s Comprehensive Handbook of Lab. & Diagnostic Tests w/Nursing Poelhuis-Leth Implications 5th Ed (or 6th). F.A. Davis

b. Deglin & Vallerand Davis’s Drug Guide for Nurses w/CD ROM, 14th Ed., F.A. Davis

(ISBN for both books: 9780803628618)

**OPTIONAL BOOKS:**

Nugent, & Vitale Test Success: Test - Taking Techniques for Beginning Nursing Students, latest Ed.,

F.A. Davis (ISBN 978-0-8036-1894-7)

Deglin & Vallerand Med Deck, 12th Ed., F. A. Davis (**ISBN-13:** 978-0-8036-2329-3)

**WEEKS 1, 2 & 3**

1. ALTERATION IN OXYGENATION / PROFESSIONAL ISSUES
2. NEEDS OF THE CLIENT HAVING DEFICIENCY IN PROVIDING OXYGEN AND NUTRIENTS TO THE CELLS
3. NEEDS OF THE CLIENT WITH CARDIOVASCULAR DYSFUNCTION

A. Outcomes

At the completion of this unit of study, the student will be able to:

1. utilize the nursing process to develop an individualized nursing care plan for a client with alterations in cardiac function.

2. assess the client for early signs and symptoms of common cardiovascular dysfunction.

3. identify the risk factors associated with potential or actual cardiovascular dysfunction.

4. identify diagnostic tests used to assess cardiovascular function.

5. assess clients for manifestations of selected cardiovascular dysfunction.

6. discuss the etiology, signs, symptoms, treatment, and nursing care related to selected cardiac dysfunction.

7. identify medications, including actions and side effects, which are useful in treating clients with cardiovascular dysfunction.

8. utilize previously learned nursing skills and interventions in client care.

9. assist clients in coping with emotional responses that may accompany cardiovascular dysfunction.

10. develop teaching strategies that will assist the client in understanding and complying with a prescribed treatment regimen.

11. discuss management of care and delegation for the client with a cardiovascular dysfunction..

B. Readings \*\* Review anatomy and physiology of the heart in anatomy textbook.

Brunner Week 1: Chapters 25, 26, 27

Week 2: Chapters 14, 29

Week 3: Chapter 28, 30 (pg. 850-874), 31

Ward & Hisley Chapter 11: “Cardiovascular Heart Disease”

Chapter 26: Review congenital heart disease

Davis Drug Refer to appropriate drug classifications relative to this area.

C. College Laboratory: Laboratory readings are on weekly lab guide.

OUTLINE

II. Baseline data

1. Overview of the heart
   1. Structure (review)
   2. Function (review)
   3. Fundamentals of electrocardiogram (MS Lab)
2. Predisposing factors related to heart disease
3. Common dysrhythmias

III. Nursing process

1. Assessment: data collection
2. Diagnostic tests/laboratory data
3. Pharmacotherapy
4. Medical and surgical interventions
5. Needs assessment of a client with:
   1. Cardiac dysrhythmias and conduction problems
   2. Coronary Artery Disease
      1. Angina pectoris
      2. Acute coronary syndrome (myocardial infarction)
   3. Cardiac dysfunctions (etiology, assessment, interventions)
6. Congestive heart failure
7. Congenital cardiac defects
8. Valvular heart disease
9. Infectious and inflammatory heart disease
10. Cardiomyopathy
11. Cardiogenic shock
12. Septic Shock
13. Pulmonary Edema
14. Pulmonary Embolism
    1. Vascular Dysfunction
15. Hypertension
16. Aneurysms
17. Arterial obstruction- arterial bypass
    1. The maternity client and cardiac disorders
    2. Clients undergoing cardiac surgery
18. Pacemaker insertion
19. Repair and by-pass surgery
20. Angioplasty
21. Data analysis: common nursing diagnoses
22. Altered cardiac output R/T dysfunctional electrical conduction
23. Fluid volume excess R/T decreased urinary output secondary to heart failure
24. Activity intolerance R/T imbalance between oxygen supply and demand
25. Anxiety R/T unknown outcome of diagnostic tests
26. Noncompliance R/T denial of illness
27. Altered tissue perfusion R/T impaired circulation
28. Expected outcomes
29. Nursing interventions/rationale
30. Evaluation