

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY  
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: ENDOCRINOLOGY  
Code No: NUR 404  
Program: RN CRITICAL CARE NURSING PROGRAM  
Semester:  
Date: OCTOBER 1987  
Author: WENDY MALESH

New: X Revision:

APPROVED:

Chairper^bn \_ ^ ' ^~^

Da^e  
irj::^ ---^..z:... V 7f.\i

JUL 0? 199! 1

ENDOCRINOLOGY

NUR 404

Course Name

Course Number

COURSE DESCRIPTION:

This unit is devoted to individual hormonal effects, their impact on major body systems, and endocrine stress response. Major endocrine pathological conditions including diabetes insipidus, inappropriate secretion of anti-diuretic hormone, adrenal crisis, diabetic ketoacidosis and hyperosmolar crisis are discussed in relation to appropriate nursing management. A systematic assessment is incorporated.

COURSE OBJECTIVES

COURSE CONTENT

Outline the hormones secreted by endocrine glands and discuss the effects of each hormone

- Hormonal Effect
1. Thyroid hormones
  2. Pituitary hormones
  3. Parathyroid hormones
  4. Adrenal hormones, cortex medulla
  5. Pancreatic Secretions

Identify the endocrine response to stress •

Endocrine Response to Stress

Discuss each of the major pathological conditions of the endocrine system in relation to changes in body function.

- Pathological Conditions
1. Diabetes Insipidus
  2. Inappropriate secretion of Antidiuretic Hormone
  3. Thyroid Storm
  4. Adrenal Crisis
  5. Diabetic Ketoacidosis
  6. Hyperosmolar Coma
  7. Hypoglycemic Reaction

Outline appropriate nursing care of the patient with an endocrine disorder.

Nursing Care of a Patient With Endocrine Disorders

Systematically assess endocrine function.

Assessment of the Endocrine System

METHOD OF ASSESSMENT (GRADING METHOD);

1. Test 1 (worth 20% of final mark)
  - anatomy
  - physiology
  - hormonal effects
2. Test 2 (worth 35% of final mark)
  - diabetes insipidus
  - syndrome of inappropriate ADH secretion
  - assessment of endocrine function
  - nursing care of the endocrine patient
  - hypoglycemia
  - diabetes mellitus. Type I and Type II
3. Test 3 (worth 45% of final mark)
  - diabetic ketoacidosis
  - hyperosmolar, hypoglycemic, non-ketotic coma
  - thyroid storm
  - adrenal crisis
  - nursing care of endocrine patient
  - hormonal effects
  - hypoglycemia
  - diabetes insipidus
  - syndrome of inappropriate ADH secretion

A minimum achievement level of 70% is required.

GRADING SCALE:

A+	90-100%
A	80-89%
B	70-79%
C	60-69%
R	Repeat objectives not met

NOTE: Tests are the property of Sault College

HOURS: Four weeks (Total of 12 hours - 3 hours per week)

TEXTBOOKS:

Alspach J., Williams S,, Core Curriculum For Critical Care Nursing<sup>^</sup>  
3rd. Ed., W.B. Saunders Co., Toronto, 1985

Harvey, M-A., Study Guide to Core Curriculum for Critical Care  
Nursing, W.B, Saunders Co., Toronto, 1986

METHODOLOGY: (consists of)

- .Lecture
- .Audio-Visual
  - Slide/Tape  
(Diabetes Mellitis  
Library #SLP 36)
  - Overheads
- Tests (3)
- .Group Work
- .Homework and Reading Assignments