

Course Outline

PROGRAM: Mental Retardation Counsellor

TITLE OF COURSE: Pharmacology

Course No.: M.R-C. 109-3

INSTRUCTOR: Gerry Page

Date: SeDt/83

Course Description

This course is designed to familiarize the student with the various drugs currently being utilized with developmentally handicapped individuals. Students will learn chemical make up and side effects of drugs as well as proper methods of dispensing medication.

Terminal Objectives

Upon completion of this course the student will

1. have knowledge about the safe administration of drugs by various routes (i.e. oral, parenteral, rectal, topical, eyes, ear, and nose). This includes skill in dosage calculations.
2. have knowledge in the physiological action, reasons for use, adverse reactions and nursing implications.
3. learn how to research drugs being given.
4. know ways in which drugs can be metabolized and excreted by the body.
5. demonstrate the ability to interpret commonly used terminology and abbreviations related to the administration of therapeutic agents.
6. demonstrate the ability to calculate drug dosage,
7. know the responsibilities associated with the safe administration of therapeutic agents by various routes to patients of all ages.
8. demonstrate the ability to transfer prescription orders on to the appropriate forms and the factors involved in recording the administration of therapeutic agents.
9. know the principles of asepsis used during the procedures for administering therapeutic agents.
10. demonstrate in a practical setting the dispensing of medication.

Learning Resources

Required Text: "Pharmacology for Practical Nurses"
Author: M.K. Aspermein 4th Edition

Syllabus: 3 hours per week

- WEEK I: Introduction to Pharmacology
Definitions related to pharmacology
- WEEK II: Routes for administrating drugs
oral e) eye
rectal f) ear
topical g) nose
vaginal h) parenteral
- WEEK III: Explain how drugs are absorbed and distributed in the body
Role of the liver in detoxificatio of drugs
How drugs are eliminated from the body
Understand factors that may influence the effect of drugs
Factors that may influence an individual's response to
therapeutic agents
- WEEK IV: Local Anti-infectives
Vitamins and Minerals
Antibiotics
Sulfonamides
Antihistamins
- WEEK V: Drugs that affect the skin and mucous membranes
Drugs that affect the respiratory system
Drugs that affect the Circulatory System
- WEEK VI: Drugs that affect the C.N.S.
Drugs that affect the autonomic nervous system
Drugs that affect the digestive system

Syllabus continued ...

- WEEK VII: a) The Endocrine Glands and Hormones
b) Diuretics and Urinary Antiseptics
c) Antineoplastic Drugs
- WEEK VIII: a) Tranquilizers and Antidepressants
MID TERM EXAM
- WEEK IX: a) Drug calculation and measurements
b) Identify units of measurements
c) Metric measurements
- WEEK X: a) Asepsis procedures for administering medication
b) Safety precaution for preparing and administering medication
c) Practicing and demonstrating procedures for administering medication
- WEEK XI: Abbreviations and Prescriptions
- WEEK XII: Practicum on Medication Forms
- WEEK XIII: Class practicum on dispensing medications
- WEEK XIV: Class practicum on dispensing medications
- WEEK XV: Review
- WEEK XVI: Final Exam

Evaluations: Student will be evaluated in the following manner

Mid Term Exam	20%	A = 85 - 100%
Comprehensive Final Exam	25%	B = 75 - 84%
Drug Research Cards	10%	C ^ 60 - 74%
Random Tests	35%	I - Incomplete
Attendance	10%	R = Repeat
	100%	

Because of the nature and seriousness of this course attendance is ^amandatory.

Chairman's Signature

Instructor's Signature

Date

