

Backwards Design

Module 2 Assignment 2.1

Susan Mateo

South College Teaching and Learning Certificate

Dr. Bradley Mills

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Desired Result (The Outcome)

- Chosen Course Learning Outcome
 - CLO 1 From NSG 1540: Pharmacotherapeutics
- Describe the general principles of
 - pharmacotherapeutics,
 - pharmacokinetics,
 - pharmacodynamics, and
 - pharmacogenetics/genomics
 - in wellness promotion and illness prevention and treatment.

Acceptable Evidence (The Assessment)

The student will create an illustration of the definitions of

- pharmacotherapeutics,
- pharmacokinetics,
- pharmacodynamics, and
- pharmacogenetics/genomics

By selecting a medication prescribed for themselves or a family member and explaining

- the disease/condition for which the drug is prescribed,
- the expected therapeutic effects,
- the possible and actual adverse effects of the medication,
- any specific assessments or interventions needed with respect to the anticipated effects,
- any risks factors or contraindications associated with the medication
- the impact of the medication on the person's wellness promotion, illness prevention, or treatment

Assessment Format

- The student may submit their illustration as either a
 - Paper in APA format
 - PowerPoint, Prezi or similar presentation
 - A pictorial developed on Canva or another similar platform
 - A video explanation of the information.

The Learning Plan (Activity One)

- In this activity the students will research the disease and medication they have chosen to learn and understand the
 - the disease/condition for which the drug is prescribed,
 - the expected therapeutic effects,
 - the possible adverse effects of the medication,
 - any specific assessments or interventions needed with respect to the anticipated effects,
 - any risks factors or contraindications associated with the medication
- This information will be entered into the relevant body system drug table provided in the student resources for module 1.

The Learning Plan (Activity Two)

- The student will use the information discovered in activity one as a foundation to build on and interview the person for whom the medication is prescribed to discover the *actual*
 - *the disease/condition for which the drug is prescribed specific to the person,*
 - *the expected and realized therapeutic effects,*
 - *Any actual adverse effects experienced,*
 - *any specific assessments or interventions needed with respect to the above effects,*
 - *any risks factors or contraindications associated with the medication specific to this person.*
- *The student will write a summary of the interview to combine with the information from activity one and use both activities to create the summative assessment deliverable.*

Practitioner's Justification

- When administering medications to a client, the nurse must understand
 - the purpose of the medication and what we are treating (pharmacotherapeutics)
 - how the medication is affected/metabolized by the body (pharmacokinetics)
 - how the medication affects the body (pharmacodynamics)
 - the client's personal and family history (pharmacogenetics/genomics)
 - and how the drug affects the client's life quality (wellness promotion, illness prevention, or treatment)
- This knowledge allows the nurse to know what is expected, unexpected, what to do about it and how to provide teaching and guidance and support to the client with respect to the medication.