

Covenant School of Nursing
Instructional Module 2 Learning Guide
Topic: Diabetes

Learning Goals/Outcomes	
<i>Upon completion of this lesson, you will be able to:</i> • Differentiate between Type 1 DM and Type 2 DM. • Identify the pathophysiology and clinical manifestations of diabetes mellitus. • Plan & prioritize care interventions for a person with diabetes mellitus. • Teach an individual with diabetes mellitus the interdisciplinary therapies required for health maintenance. • Evaluate patient outcomes of therapies for diabetes mellitus. • Identify the different insulin preparations and their uses, administration, and side effects	
Pre-Class Preparation	
Required: • Lewis's Medical-Surgical Nursing: Chapter 48: "Diabetes Mellitus" • Lehne's Pharmacology for Nursing Care: Drugs for Diabetes Mellitus: Chapter 60 Sections - o "Preparations and Administration" ▪ Sources of Insulin, Types of Insulin, Concentration, Mixing Insulins, Administration and Storage" - o "Therapeutic Use" ▪ Indications, Insulin Therapy of Diabetes, Complication of Insulin Treatment and Complications of Insulin Treatment <u>Additional Resources:</u> • What Is Diabetes? 2 Minute Guide Diabetes UK - YouTube • Diabetes mellitus (type 1, type 2) & diabetic ketoacidosis (DKA) - YouTube	
Learning Activities	
<u>Classroom Activities:</u> • Theory content on the Introduction to Diabetes Mellitus • PowerPoint, discussion, case study, etc. <u>Laboratory/Clinical Activities:</u> • Administration of sub-q medication in the lab and clinical setting • Performing accu-data blood glucose checks in lab and clinical setting • Participate in the care of patient with diabetes <u>Out of Class/Computer Assisted Activities:</u> • Review universal competencies	
Evaluation Methods	
• Observation by faculty in clinical setting • Simulation observation • Unit Exam	
Texas DECs	QSEN Competencies
Knowledge: I.A.1a-c, A.2-4; B.1.b,e; B.2.a,b; B.3;B.4;	

B.6.a; B.7.c; B.8; D2,3 II.A.1- 4; B.1- 7, 9, 11; B.10 - 12; C.1 - 8; D.1-5; E.1 - 6; E.9-13; F.1-2; G.1-3; H.1-4.a; H.6; III.A.1-6; B.1.b-3; C.1- 2; D1.a-c; E.1-2; IV.A.1-2; A.4.b; A.5.a,b; B.1-3; C.1; C.3- 8; D.1-4; E.1-2; F.1- 4; G.1- 4 Clinical Judgments and Behaviors: I.A. a-c; B.1; B.2.a,b; B.3; 4.c; B.5.a; B.6.a; C.2; C.3.a; C.5; D.1-5; II.A1-4; B.1- 9; C.1-7; D.1-4; E.1-13; F.1-6; G.1-7; H.1-6; III.A.1-5.a; B.1- 9; C.1-22.a; D.1-3; IV. A.1-3; B.1-3, 5a,b; C.1-2.a,b; 3-4; D.1-2; E.1a,b,c; 2-3a,c; 4; F.1-2; G.1-4	Patient-Centered Care Teamwork & Collaboration Evidence Based Practice Safety
IM2 Student Learning Outcomes	NCLEX Test Plan
1 - 8	Safe/Effective Care Environment: <i>Management of care-</i> Interdisciplinary team, <i>Safety & Infection Control-</i>Injury prevention, Home Safety, Standard precautions, Safe use of equipment. Health Promotion/Maintenance: Health promotion/Disease prevention, Health screening, Self- care, Techniques in physical assessment. Psychosocial Integrity: Coping mechanism, Cultural awareness/influences on health, Sensory/perception alteration, Support systems, Therapeutic communication. Physiological Integrity: <i>Basic Care & comfort</i> – Nutrition & hydration, <i>Pharmacological Therapies-</i> Adverse & Side effects, contraindications, Interactions, Dose calculation, Expected Actions & outcomes, Medication administration, IV therapies. <i>Reduction of Risk-</i>Diagnostic & lab tests, Potential for alteration in body systems, Potential for complications of diagnostic tests, treatment, procedures; Potential for complications from surgical procedures & health alterations. <i>Physiological Adaptation-</i>Alteration in body systems, Fluid & electrolyte imbalances, Illness management, medical emergencies, pathophysiology, unexpected response to therapies
Concepts	Faculty
<i>Immunity, Fluid & Electrolytes, Metabolism, Nutrition, Sensory/Perception, Patient Education, Health Promotion</i>	<i>Laiken Brazil, MSN, RN-BC</i>
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