

Mapping of Oncology Nursing Diploma Curricular Competencies with Assessment Tools

This outline maps curricular competencies\objectives with the assessment tools and potential test type. Tests will emphasize certain parts of the outline, and no single test will include questions on all aspects. Questions may include content that is not included in this outline.

Construct	Domain	Rotation	Year	Code	Performance indicator (Curriculum)	Page #	Learning Domain (1:Cognitive,	MCQ -	Assessmen	OSCE -	SOE
Construct	Domain	Rotation	rear	coue		rage#	(1:Cognitive, 2:Skills, 3:Attitude)	Part I Written	Final Written	Final Clinical	Fina
Medical Expert	A.1 Basic science	Health Promotion, Prevention, and Early	1st Year	A.1	Distinguish between incidence, prevalence, risk, prevention, mortality, and epidemiology	13	1	*			*
		Detection The Scientific Basis for		A.2	Define cancer and describe the process of carcinogenesis	13	1	*			*
		Practice, Part I—Core									
				A.3	Explain the function of various cells and mediators involved in the immune response;	13	1	*			k
				A.4	Identify physical, chemical, and viral carcinogens and the role of immune surveillance and genetic predisposition in the development of cancer	13	1	*			4
				A.5	Describe the characteristics of cancer cells, including the role and clinical applications of tumor markers	13	1	*			*
				A.6	Describe how the concept of cancer biology is used to provide optimal nursing care to cancer patients and their families	13	1	*			*
		Scientific Basis for Practice, Part II—Specific Cancers		A.7	Describe the pathophysiology associated with specific cancers	14	1	*			k
		Cancer Treatment Modalities		A.8	Identify the rationale for the use of vascular access devices (VAD);	15	1	*	*	*	3
				A.9	Differentiate among the various types of VADs;	15	1	*	*	*	3
				A.10	Explain the mechanisms of action of chemotherapy, biotherapy, and molecular targeted therapy;	16	1				
				A.11 A.12	Deduce the theory behind HSCT; Compare and contrast allografting and autografting	16 16	1	*	*	*	, ,
		Symptoms Management	2nd Year	A.13	List chemotherapy drugs with known side effects and toxicities that can affect body systems;	22	1		*	*	
				A.14	Identify the causes of taste alterations in patients receiving cancer treatment;	22	1		*	*	-
				A.15	Provide goals and/or rationales for using complementary, alternative, and integrative therapies	22	1		*	*	1
				A.16	Identify the major complementary, alternative, and integrative therapy categories	22	1		*	*	1
	A2 Assessment	Scientific	1st	A2.1	Discuss the risk factors associated with different types of cancer		1	*			
	& Diagnosis	Basis for Practice, Part II—Specific Cancers	Year	A2.1	and identify high risk populations	14	Ţ				
				A2.2	Comprehend diagnosis and staging as they relate to treatment approach	14	1	*			
		Health Promotion, Prevention, and Early Detection		A2.3	Identify the three leading cancer diagnoses in the Kingdom of Saudi Arabia, for both men and women;	13	1	*			
				A2.4	List common tumor markers used to identify certain cancers or to monitor malignancy	13	1	*			
		Psychosocial Dimensions of Care		A2.5	Recognize expected patterns of psychosocial change in response to illness;	17	1	*			-
				A2.6	Discuss the potential implications of emotional distress;	17	1	*			•
				A2.7 A2.8	Explore past coping responses to stressful events and support successful responses; Outline potential complications associated with vascular access	17	3	*		*	
		Cancer		A2.0							
		Cancer Treatment Modalities	24		devices	.0			•		
		Treatment	2nd Year	A2.9	Develop an understanding of measures related to morbidity and mortality, incidence and prevalence; Assess the validity and reliability of diagnostic and screening tests;	18 18	1		*		
		Treatment		A2.9	Develop an understanding of measures related to morbidity and mortality, incidence and prevalence; Assess the validity and reliability of diagnostic and screening tests; Explain the different mechanisms used to describe disease						,
		Treatment		A2.9 A2.10 A2.11	Develop an understanding of measures related to morbidity and mortality, incidence and prevalence; Assess the validity and reliability of diagnostic and screening tests;	18	1		*		
		Treatment Modalities Symptoms		A2.9 A2.10 A2.11 A2.12	Develop an understanding of measures related to morbidity and mortality, incidence and prevalence; Assess the validity and reliability of diagnostic and screening tests; Explain the different mechanisms used to describe disease prognosis in quantitative terms for groups of patients; Name the most common risk factors associated with cancer	18 18	1		*		

			A2.16	Define the difference between anticipatory, acute, and delayed nausea and vomiting;	22	1				
	End of life care		A2.17	Explain the role of the nurse involved with pain and symptom asses	26	1		*		
	Oncologic		A2.18 A2.19	8	25	1		*		
	Emergencies									
			A2.20	Assess patients at risk for various oncologic emergencies;	25	1		*		
A3 Management	Scientific Basis for Practice, Part II—Specific Cancers	1st Year	A3.1	Use the nursing process to develop a plan of care for patients with specific forms of cancer	14	1	*			
			A3.2	Outline plan for nursing management for the potential complication associated with vascular access devises and patient education;	15	1	*		*	
			A3.3	Outline various types of surgical cancer procedures	15	1	*		*	_
			A3.4	Identify diseases commonly treated with Hematopoietic Stem Cell Transplantation (HSCT);	16	1				
			A3.5	Identify goals and/or a rationale for the use of various cancer treatment modalities;	15	1	*			
			A3.6	Explain the role of the nurse in various cancer treatment	15	1	*			1
			A3.7	modalities, including education; Describe the indications for radiation therapy;	15	1	*			-
			A3.8	Define the indications for chemotherapy, biotherapy, and	16	1	*			t
	Psychosocial Dimensions		A3.9	molecular targeted therapy; Analyze ways to provide interventions to maximize comfort during emotional distress.	17	1	*			
	of Care Symptoms Management	2nd Year	A3.10	Discuss non-pharmacologic approaches to maintaining skin integrity	21	1		*		
			A3.11	Identify common diseases or treatment-related factors that could precipitate impaired skin integrity;	21	1		*		
			A3.12	Discuss non-pharmacological methods of enhancing appetite;	22	1		*		
			A3.13	nausea and vomiting;	22	1		*		
			A3.14	Draw conclusions about the role of the nurse in complementary, alternative, and integrative therapies, including education.	22	1		*		
	Oncologic Emergencies		A3.15	Deliver interventions for underlying and predisposing conditions and oncological emergencies;	25	1,2		*	*	
			A3.16	Provide interventions to decrease the severity of associated	25	1,2		*	*	
			A3.17	symptoms; Identify non-pharmacologic interventions to maximize comfort	25	1		*		
	Leadership		A3.18	and safety. Employ nursing process skills, critical thinking in managing the	27	2		*	*	-
	and			culturally competent	-/	3				
A4 Hostb	and Management	4ct					*			
A4 Health Promotion & Illness prevention	and	1st Year	A4.1	culturally competent Identify the behavior modifications associated with cancer prevention;	13	1	*			
Promotion & Illness	and Management Health Promotion, Prevention, and Early		A4.1	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and			*			
Promotion & Illness	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment		A4.1	Identify the behavior modifications associated with cancer prevention;	13	1			*	
Promotion & Illness	and Management Health Promotion, Prevention, and Early Detection		A4.1 A4.2	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy;	13	1			*	
Promotion & Illness	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment	Year 2nd	A4.1 A4.2 A4.3	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery;	13 13 13 15	1 1 1,2	*	*	*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management	Year 2nd	A4.1 A4.2 A4.3 A4.4 A4.5	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks;	13 13 15 16 21	1 1,2 1 1	*		*	
Promotion & Illness	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms	Year 2nd	A4.1 A4.2 A4.3 A4.4	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to	13 13 13 15 16	1 1 1,2 1	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Prevention,	Year 2nd	A4.1 A4.2 A4.3 A4.4 A4.5	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks;	13 13 15 16 21	1 1,2 1 1	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, and Early Detection	Year 2nd	A4.1 A4.2 A4.3 A4.4 A4.5 A5.1	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education	13 13 15 16 21 13	1 1 1,2 1 1,2 1,2	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, Prevention, Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Prevention, Prevention, Prevention,	Year 2nd	A4.1 A4.2 A4.3 A4.4 A4.5 A5.1	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education Cancer Detection Guidelines: Patient Education	13 13 15 16 21 13 13	1 1 1,2 1,2 1,2	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, Prevention, Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Preve	Year 2nd	A4.1 A4.2 A4.3 A4.4 A4.5 A5.1	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education Cancer Detection Guidelines: Patient Education	13 13 15 16 21 13 13	1 1 1,2 1,2 1,2	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Prevention, Prevention The Scientific Basis for Practice, Part I—Specific	Year 2nd	A4.1 A4.2 A4.3 A4.4 A4.5 A5.1 A5.1 A5.2 A5.3 A5.4	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education Genetic Genogram Development Assessment: Respiration	13 13 15 16 21 13 13 14 14 14	1 1,2 1,2 1,2 1,2 1,2 1,2 1,2	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Prevention, Prevention The Scientific Basis for Practice, Part I—Specific	Year 2nd	A4.1 A4.2 A4.3 A4.3 A4.4 A4.5 A5.1 A5.1 A5.2 A5.3 A5.4 A5.4	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education Cancer Detection Guidelines: Patient Education Genetic Genogram Development Assessment: Respiration Assessment: Thorax and Lung Chest Tube: Closed Drainage Systems	13 13 15 16 21 13 13 13 14 14 14	1 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2	*		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Prevention, Prevention The Scientific Basis for Practice, Part I—Specific	Year 2nd	A4.1 A4.2 A4.3 A4.3 A4.4 A4.5 A5.1 A5.1 A5.1 A5.2 A5.3 A5.4	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education Genetic Genogram Development Assessment: Respiration Chest Tube: Closed Drainage Systems Chest Tube Removal	13 13 15 16 21 13 13 13 14 14 14	1 1 1,2 1 1,2 1,2 1,2 1,2 1,2 1	* * * * * * * * * * * * * * * * * * * *		*	
Promotion & Illness prevention	and Management Health Promotion, Prevention, and Early Detection Cancer Treatment Modalities Symptoms Management Health Promotion, Prevention, Prevention, Prevention The Scientific Basis for Practice, Part I—Specific	Year 2nd	A4.1 A4.2 A4.3 A4.3 A5.1 A5.1 A5.1 A5.3 A5.4 A5.4 A5.4 A5.5 A5.6 A5.7 A5.8 A5.9	Identify the behavior modifications associated with cancer prevention; Recognize common screening strategies for specific cancers and related recommendations; Illustrate safety measures used in surgery; Label safety measures used in radiation therapy; Use physical findings/treatments to identify impaired mobility that might lead to increased fall risks; Primary Prevention of Cancer: Patient Education Cancer Detection Guidelines: Patient Education Genetic Genogram Development Assessment: Respiration Assessment: Thorax and Lung Chest Tube: Closed Drainage Systems	13 13 15 16 21 13 13 13 14 14 14	1 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2	* * * * * * * * * * * * * * * * * * * *		* * *	

						*		*	*
			Incision and Drainage	14	1,2	*		*	*
			Assessment: Wound Pressure Ulcer: Risk Assessment and Prevention	15	1,2 1,2	*		*	*
			Assessment: Abdomen, Genitalia, and Rectum	15	1,2	*		*	*
			Nasogastric Tube: Insertion, Irrigation, and Removal	15 15	1,2	*		*	*
			Peripheral Parenteral Nutrition with Lipid (Fat) Emulsion	15	1,2	*		*	*
			Central Parenteral Nutrition	15	1,2	*		*	*
			Ostomy Pouching: Colostomy or Ileostomy	15	1,2	*		*	*
			Ostomy Pouching: Urostomy	15	1,2	*		*	*
		A5.21	Colostomy Irrigation	15	1,2	*		*	*
		A5.22	Feeding Tubes: PEG, Gastrostomy, and Jejunostomy Care	15	1,2	*		*	*
		A5.23	Urinary Catheter: Indwelling Catheter Care	15	1,2	*		*	*
		A5.24	Urinary Catheter: Straight and Indwelling Catheter Insertion (Female)	15	1,2	*		*	*
		A5.25	Suprapubic Urinary Catheter Insertion and Replacement: Advanced Practice	15	1,2	*		*	*
		A5.26	Urinary Catheter: Closed Continuous Irrigation	15	1,2	*		*	*
		A5.27		15	1,2	*		*	*
			Assessment: Head and Neck	15	1,2	*		*	*
			Assessment: Musculoskeletal and Neurologic	15	1,2	*		*	*
		A5.30		15	1,2	*		*	*
		A5.31	Hematopoietic Cell Transplantation: Acute Graft-Versus-Host Disease	15	1,2				
			Bone Marrow Biopsy and Aspiration	15	1	*		*	*
			Bone Marrow and Aspiration: Advanced Practice	15	1	*		*	*
		A5.34		15	1	*		*	*
Cancer		A5.35 A5.36		15 16	1	*	*	*	*
Treatment Modalities									
		A5.37		16	1	*	*	*	*
		A5.38	Chemotherapy and Biotherapy Administration: Pretreatment Assessment, Initial and Subsequent Cycles	16	1,2	*	*	*	*
		A5.39		16	1	*	*	*	*
		A5.40	Targeted Therapies: General Principles	16	1	*	*	*	*
		A5.41	Patient Education: Oral Chemotherapy and Biotherapy Administration	16	2,3		*	*	*
		A5.42 A5.43	Cancer Detection Guidelines: Patient Education Application of Oral Chemotherapy, Biotherapy, and Hormonal	16 16	2,3 2,3		*	*	*
		A	Agents: Patient Education		1	*	*	*	*
			Containment of Hazardous Medication Spills Chemotherapy Administration: Intrathecal	16 16	1	*	*	*	*
			Chemotherapy Administration. Intraffication	16	1	*	*	*	*
		A5.47		16	1	*	*	*	*
			Chemotherapy Administration: Vesicant and Irritant Agents	16	1	*	*	*	*
		A5.49		16	1,2,3	*	*	*	*
			Implantable Port Access, De-access, and Care	16	1,2	*	*	*	*
		A5.51		16	1,2	*	*	*	*
		A5.52		16	1	*	*	*	*
		A5.53		16	1,2	*	*	*	*
		A5.54	Radiation Therapy: Patient and Family Education	16	2,3		*	*	*
Psychosocial Dimensions of Care		A5.55	Survivorship	17	3		*	*	*
		A5.56	Distress Management for Newly Diagnosed Cancer Patients and Their Families	17	2,3			*	*
		A5.57		17	1,2,3	*	*	*	*
		A5.58		17	3			*	*
Ethical Dimensions of Care		A5.59	To deliver quality care by identifying basic ethical principles related to oncology treatments in the Kingdom of Saudi Arabia;	17	3			*	*
		A5.60	moral and legal concepts in relation to cancer diagnosis and treatment;	17	3			*	*
		A5.61	To adapt culturally sensitive care by identifying ethical and cultural life and death considerations in the Kingdom of Saudi Arabia;	17	3			*	*
		A5.62	To demonstrate knowledge by identifying common ethical dilemmas related to cancer patients.	17	3			*	*
Epidemiology	2nd Year	A5.63	To adapt research skills by identifying basic principles in epidemiology	19	1		*		*
		A5.64	disease transmission and the occurrence of diseases	19	1		*		*
		A5.65	To demonstrate knowledge by determining the associations of diseases and estimating their potential for disease prevention; To demonstrate knowledge by explaining the role of genetic and other environmental factors that contribute to the causation and occurrence of diseases.	19	1		*		*
Statistics		A5.66	To demonstrate familiarity with the terminology listed in the module outline;	20	1				*
		A5.67		20	1				*
		A5.68	To define and compute measures of central tendency and	20	1				*
									1
			variability;						
			To discuss the logic of hypothesis testing;	20	1				*
		A5.69 A5.70 A5.71	To discuss the logic of hypothesis testing; To analyze data and draw inferences from the analysis;	20 20 20	1 1 1				*

Introduction to Research and Evidence Based Practice	A5.72	To demonstrate familiarity with research terminology;	21	1	*		
					 *		
	A5.73 A5.74	To conduct a literature search using both electronic and non	21 21	1 2	 *	*	t
	A5.75	electronic resources; To gather and interpret relevant data and to make judgments;	21	1,2	*	*	
	A5.76	To identify evidence-based principles and their practical applications	21	1	*		Γ
	A5.77	To develop a critical approach to appraisal;	21	1	*		t
	A5.78	To review and critique journal articles To formulate a research proposal on an interesting oncology	21 21	1	 *		ł
		project;			 *		Ļ
		To apply the process of design and implement a research project	21	1			
Symptoms		To prepare a manuscript for publication. b)Fatigue: Nursing Management	21 23-24	1	 *	*	ł
Management		c)Thrombocytopenia: Nursing Management d)Thrombotic Thrombocytopenic Purpura: Nursing Management e)Neutropenia: Preventing Infection f)Thrombocytopenia: Nursing Management g)Febrile Neutropenia: Nursing Management h)Anemia: Nursing Management i)Constipation: Nursing Management k)Bowel Obstruction: Nursing Management N)Sexual Atterations: Nursing Management m)Sexual Side Effects of Chemotherapy: Nursing Management n)Pulmonary Toxicity: Nursing Management m)Sexual Side Effects of Chemotherapy: Nursing Management n)Pulmonary Toxicity: Nursing Management n)Pulmonary Toxicity: Nursing Management o)Malignant Pleural Effusion: Nursing Management p)Oyspnea: Nursing Management s)Anorexia and Cachexia: Nursing Management t)Dysphagia: Nursing Management u)Xerostomia: Nursing Management v)Lymphedema: Nursing Management x)Nausea and Vomiting: Nursing Management x)Nausea and Vomiting: Nursing Management z)Pursensitivity Reactions: Nursing Management z)Dermatologic Effect of Chemotherapy Biotherapy: Nursing Management a) Neurotoxicity from Chemotherapy: Nursing Management a) Neurotoxicity from Chemotherapy: Nursing		1	*		
		a)Pain Assessment and Intervention e)Neutropenia: Preventing Infection	23-24 23-24	1	 *		t
Oncologic	A5.85	Disseminated Intravascular Coagulation (DIC): Nursing	25	1	*		t
Emergencies	A5.86	Management Syndrome of Inappropriate Antidiuretic Hormone (SIADH): Nursing Management (Oncology)	25	1	 *		T
	A5.87		25	1	*		1
	A5.88 A5.89	Hypercalcemia of Malignancy: Nursing Management Hypersensitivity Reactions: Nursing Management	25 25	1	 *		t
	A5.90	Cardiac Tamponade: Nursing Management	25	1	*		1
	A5.91		25	1	 *		╞
End of Life	A5.92 A5.93	Spinal Cord Compression: Nursing Management Anxiety, Loss and Grief, Depression	25 26	1	 *		t
Care						*	Ļ
	A5.94 A5.95		26 26	2,3	 *	*	t
	A5.96	End of Life Discussions	26	2,3		*	1
	A5.97	Pain Relief Oxygen Therapy and Oxygen Delivery	26 26	1	 *		┼
Healthcare	A5.99	To discuss the role of nursing informatics in practice,	20	1			t
Informatics	A5.100	administration, education and research To define the diffusion of innovation theory;	27	1			t
	A5.101		27	2		*	t
	A5.102	using the HIS; To advocate for safeguarding data and information integrity.	27	3		*	t
Leadership and Management	A5.103	Systems Thinking	28	3		*	
	A5.104	Time Management	28	3		*	T
	A5.105	Information Management	28	3		*	T
	A5.106	Human Resources Management (i.e. Staffing and Scheduling, Resource Allocations, etc.)	28	3		*	T
	A5.107	Career Planning	28	3		*	t
	A5.108	Financial Management (Cost Analyses, Budget Forecasting, etc.)	28	3		*	t
		Quality and Risk Management (Quality Plans, Risk Management	28	3		*	t
	A5.109						Т
		Models, etc.)	28	3		*	T
	A5.110		28 28	3		*	F
Professional	A5.110 A5.111	Models, etc.) Change Management and Conflict Resolution Strategic Planning Strategic Management					

				Communicating with Anxious Patients SBAR Communication	29 29	3			* *
Communicato	End of life	1st	B.1	List three factors that influence communication in the palliative	26	1	*	*	*
	care	Year	B.2	care setting Describe the nurse's role in helping patients cope with loss, grief,	26	1	*	*	*
			B.3	and bereavemen Value the role of the palliative care nurse in easing patient deaths.	26	3		*	*
	Leadership	2nd	B.4	Employ nursing communicationskills in managing the culturally	27	3			*
	and Management	Year		competent of groups of clients across the wellness/illness continuum;	-,				
	Professional		B.5	Identify two differences between effective and ineffective	29	1			*
	Performance		B.6	communication; Discuss the meaning of active listening;	29	1			*
			B.7 B.8	Identify three skills necessary for active listening; Describe the ways in which patients and coworkers can benefit	29 29	1			*
			B.9	when nurses communicate effectively Discuss the difference between "I" and "You" statements	29	1			*
				Identify the skills required for therapeutic communication.	29	1			*
C Collaborator	Leadership	2nd	C.1	Collaborate with multidisciplinary health care team members to	27	3			*
	and Management	Year		prioritize and coordinate high quality and cost effective healthcare;					
	Professional Performance		C.2	Provide care in an inter professional environment;	29	3			*
P.Marana /		4.1				2		1	*
D Manager/ Leader	The Scientific Basis for	1st Year	D.1	Appreciate how an understanding of cancer biology and carcinogenesis enhances the professional development of	13	3			
	Practice, Part I—Core			oncology nurses.					
	Healthcare		D.2	Justify the implications of nursing informatics for nursing	26	1			*
	Informatics			practice, administration, education, and research					*
	Leadership and	2nd Year	D.3	Analyze the components of organizational structure and culture;	27	1			*
	Management								
			D.4	Apply theories of effective leadership and management within	27	1			*
			D.5	selected health care arenas; Employ nursing process skills, critical thinking, ethical decision-	27	3			*
				making in cost effective care of groups of clients across the wellness/illness continuum					
			D.6	Demonstrate leadership and the management of a care-giving	28	3			*
				team comprised of individuals with varied cultural backgrounds and levels of clinical knowledge and competency					
			D.7	Use investigation and research skills to enhance the knowledge base, facilitate change, and improve the quality of care	28	3			*
			D.8	Demonstrate professional accountability for effective leadership	28	3			*
			D.9	in a nursing practice	28	3			*
			D.9	Contribute to organizational strategic planning and its implementation at different levels within healthcare organizations	20	3			
	Professional		D.10	Initiate independent learning activities;	28	3			*
				initiate independent learning activities,					
	Performance								
E Scholar	Performance Epidemiology	2nd Year	E.1	Examine the efficacy of preventive and therapeutic measures via ra	18	1		*	
E Scholar		2nd Year	E.1 E.2	Examine the efficacy of preventive and therapeutic measures via ra Build an understanding of the design and conduct of enidemiological studies (cohort core sections) entroppeding	18 18	1		*	*
E Scholar			E.2	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective);	18	1		*	
E Scholar				Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective,					*
E Scholar			E.2 E.3 E.4	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study;	18 18 18	1 1 1 1		*	*
E Scholar			E.2 E.3 E.4 E.5 E.6	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dir Apply epidemiologic methods to evaluate screening programs;	18 18 18 18 18	1 1 1 1 1 1		* * * *	*
E Scholar			E.2 E.3 E.4 E.5 E.6 E.7	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologics interhods to evaluate screening programs; Identify sources of information on disease occurrence	18 18 18 18 18 18 18	1 1 1 1 1 1 1 1		*	*
E Scholar			E.2 E.3 E.4 E.5 E.6 E.7	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dir Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the	18 18 18 18 18	1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology		E.2 E.3 E.4 E.5 E.6 E.7 E.8	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dir. Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics;	18 18 18 18 18 18 18 18 18	1 1 1 1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data;	18 18 18 18 18 18 18 18 18 19	1 1 1 1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data	18 18 18 18 18 18 18 18 18 18 19 19	1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dir Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data	18 18 18 18 18 18 18 18 19 19 19	1 1 1 1 1 1 1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11 E.12	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dir Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process;	18 18 18 18 18 18 18 19 19 19 19 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11 E.12 E.13 E.14	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing.	18 18 18 18 18 18 18 18 18 19 19 19 19 19 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * *	*
E Scholar	Epidemiology Statistics Introduction to Research		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11 E.12 E.12 E.13	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dir Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis;	18 18 18 18 18 18 18 19 19 19 19 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * * * * * * * * * * * * * * * *	
E Scholar	Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11 E.12 E.13 E.14	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing.	18 18 18 18 18 18 18 18 18 19 19 19 19 19 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * * * * * * * * * * * * * * * *	
E Scholar	Epidemiology Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11 E.12 E.13 E.14 E.15	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing. Define the basic concepts of research methodology;	18 18 18 18 18 18 19 19 19 19 19 19 19 21	1 1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * * * * * * * * * * * * * * * *	
E Scholar	Epidemiology Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.10 E.11 E.12 E.13 E.14 E.15 E.16	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dit Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing. Define the basic concepts of research methodology; Compare and contrast different research designs;	18 18 18 18 18 18 18 19 19 19 19 19 19 21	1 1 1 1 1 1 1 1 1 1 1 1 1 1		•	
E Scholar	Epidemiology Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.7 E.8 E.9 E.10 E.11 E.12 E.13 E.14 E.15 E.16 E.17	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dit Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify vays of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing. Define the basic concepts of research methodology; Compare and contrast different research designs;	18 18 18 18 18 18 19 19 19 19 19 19 19 21	1 1 1 1 1 1 1 1 1 1 1 1 1 1			
E Scholar	Epidemiology Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.7 E.8 E.9 E.10 E.11 E.12 E.13 E.14 E.15 E.16 E.17	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing dit Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing. Define the basic concepts of research methodology; Compare and contrast different research designs; Describe the scientific process and its use in nursing research; Design a research proposal for a project; Design a research process and/or the conduct of a	18 18 18 18 18 18 18 19 19 19 19 19 19 21 21			· · · · · · · · · · · · · · · · · · ·	
E Scholar	Epidemiology Epidemiology Statistics		E.2 E.3 E.4 E.5 E.6 E.7 E.8 E.9 E.10 E.11 E.12 E.13 E.14 E.15 E.16 E.17 E.17 E.18	Build an understanding of the design and conduct of epidemiological studies (cohort, cross-sectional, retrospective, and prospective); Differentiate between association and causation; Recognize the potential biases, confounders, and interacting factors in an epidemiological study; Explain the role of genetic and environmental factors in causing di: Apply epidemiologic methods to evaluate screening programs; Identify sources of information on disease occurrence Develop a critique of medical and health research studies. Demonstrate familiarity with statistical terminology and the purpose of statistics; Identify ways of organizing data; Define and compute measures of central tendency and variability; Demonstrate an understanding of the analysis of statistical data within the context of the research process; Provide the necessary statistical background for analyzing data and drawing inferences from that analysis; Demonstrate an understanding of the logic of hypothesis testing. Define the basic concepts of research methodology; Compare and contrast different research designs; Describe the scientific process and its use in nursing research; Design a research proposal for a project;	18 18 18 18 18 18 18 19 19 19 19 19 19 21 21 21 21 21				

			E.22	Discuss appropriate statistical techniques in the analysis of data;	21	1	*		*
			E.23	Critique current nursing practice studies;	21	1	*		*
			E.24	Discuss the use of research findings;	21	1	*		*
			E.25	Define the historical perspective of evidence based practice (EBP);	21	1	*		*
			E.26	Apply evidence based nursing practice principles, identified through nursing research.	21	1	*		*
	Healthca		E 27	Appraise evolving models and theories of informatics that define	26	1	 		
	Informat		L.27	the function and competencies of nursing informatics	20	1			
F Health advocate	Healthc Informa		F.1	Understand the importance of nursing informatics as an emerging field in the nursing profession, identifying key factors and legislative organizations that help to shape nursing informatics;	26	1			*
			F.2	Validate skills in the acquisition and retrieval of nursing information using the institution's health information system, the worldwide web, and varied electronic resources;	27	1,2			*
	Professio		F.3	Advocate for the health and safety of patients;	29	3			*
	Epidemic		F.4	Demonstrate an understanding of the mechanisms and dynamics		1	*		*
				of disease transmission in populations, as well as the risk factors that determine their distribution	18				
	Sympton		F.5	Deliver a teaching plan involving common safety practices for	22	1,2	*	*	*
	Manager	ient		thrombocytopenic patients;					
				patents,	_				
G	Ethica	l 1st	G.1	Interpret the nature and role of ethical theories in guiding sound	17	1			*
Professional	Dimensi of Ca			ethical decisionmaking in workplace settings;					
			G.2	Discuss the ethical and legal context of professional nursing practice:	17	1			*
			G.3	Advocate key ethical issues that affect nursing and related health	17	1			*
				care contexts:					
			G.4	care contexts; Examine processes for achieving desired moral outcomes in the nursing and healthcare domains:	17	1			*
			G.4 G.5	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral	17 17	1			*
				Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care					
			G.5	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care delivery; Use ethical reasoning to synthesize standards of practice, ethical principles, and legal/regulatory requirements in the resolution of	17	1			*
			G.5 G.6	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care delivery; Use ethical reasoning to synthesize standards of practice, ethical principles, and legal/regulatory requirements in the resolution of ethical dilemmas; Predict which ethical issues are likely to become relevant to	17 17	1			*
	Healthc		G.5 G.6 G.7	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care delivery; Use ethical reasoning to synthesize standards of practice, ethical principles, and legal/regulatory requirements in the resolution of ethical dilemmas; Predict which ethical issues are likely to become relevant to oncology patients. Defend approaches that safeguard data and information integrity	17 17 17 17	1 1 1	*		*
		tics Year ife	G.5 G.6 G.7 G.8	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care delivery; Use ethical reasoning to synthesize standards of practice, ethical principles, and legal/regulatory requirements in the resolution of ethical dilemmas; Predict which ethical issues are likely to become relevant to oncology patients. Defend approaches that safeguard data and information integrity while maintaining privacy and confidentiality	17 17 17 17 17	1 1 1 1	*		*
	Informa end of	tics Year ife	G.5 G.6 G.7 G.8 G.9	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care delivery; Use ethical reasoning to synthesize standards of practice, ethical principles, and legal/regulatory requirements in the resolution of ethical dilemmas; Predict which ethical issues are likely to become relevant to oncology patients. Defend approaches that safeguard data and information integrity while maintaining privacy and confidentiality Justify the nurse's specific roles in ethical decision-making Judge cultural dimensions and the influence of culture on	17 17 17 17 17 17 27	1 1 1 1 2			* * * *
	Informa end of	tics Year ife	G.5 G.6 G.7 G.8 G.9 G.10	Examine processes for achieving desired moral outcomes in the nursing and healthcare domains; Analyze the conflicting duties and rights inherent in moral dilemmas; Discuss the impact of current issues related to health care delivery; Use ethical reasoning to synthesize standards of practice, ethical principles, and legal/regulatory requirements in the resolution of ethical dilemmas; Predict which ethical issues are likely to become relevant to oncology patients. Defend approaches that safeguard data and information integrity while maintaining privacy and confidentiality Justify the nurse's specific roles in ethical decision-making	17 17 17 17 17 17 27 26	1 1 1 1 2 1	*		* * * * *