

**Appendix:** Example of palliative care contents integrated into the Advanced Practice-Doctor of Nursing Practice (AP-DNP) curriculum

AP-DNP track	Course	Palliative care content description
All	Advanced Health Assessment and Measurement	<p><b>Module: Advanced Health Assessment in Palliative Care</b>  <i>Specific contents:</i>                      Palliative care: definition and growth                      Palliative care vs end-of-life care and hospice                      Role of advanced practice nurses                      Comprehensive palliative assessment and tools</p>
Family Primary Care Nurse Practitioner (FNP)	Clinical Reasoning II	<p><b>Module: Chronic Pain and Gastrointestinal Disorder</b>  <i>Specific Contents:</i>                      An interactive presentation on “chronic pain management” and “safe opioid prescribing”                      Student read an article on palliative care earlier in the disease course in the context of the opioid epidemics                      Assignment: chronic pain case study- pain assessment and management                      In class zoom session, the following questions guide discussion: what palliative care means to you, what do patients and families feel/think when they hear palliative care, when will you consider palliative care in your practice</p> <p><b>Module: Geriatric Syndromes</b>  <i>Specific Contents:</i>                      Assessment of cognitive impairment and clusters of chronic condition symptoms</p>
	Clinical Reasoning III	<p><b>Module: Post-traumatic Stress Disorder</b>  <i>Specific contents:</i>                      Reading a chapter “palliative care &amp; pain management”</p> <p><b>Module: Delirium and Palliative Care</b>  <i>Specific contents:</i>                      Reading a chapter “palliative care and pain management” in Current Diagnosis and Treatment Pediatrics/Current Medical Diagnosis and Treatment and                      Reading an article on palliative care for Dyspnea and Delirium                      Assignments: Continuing Education Activity: Adolescent Health                      Learning activity includes completion of any one of the CAPC modules: delivering serious news, support the family caregiver, care coordination pain assessment (including any of the 13 pain modules)</p>
	Clinical Reasoning IV	<p><b>Module: Complex Cardiovascular Pulmonary Disease</b>  <i>Specific contents:</i>                      Includes an article on “palliative care for pts with heart failure from AACN”</p>
	Clinical Reasoning V	<p><b>Module: Complex Management in NP Practice</b>  <i>Specific contents:</i>                      Palliative care and end of life decisions                      Communication                      Complex Case Study: Complex care for the primary care provider to screen and consult with specialists to consider palliative care and not wait for the hospitalization trigger consult. Primary care providers have established relationships with patients and families and coordinate care with specialty care, especially for non-hospitalized adults. Consider active learning such as "on call", telehealth, simulation, etc. This will help deepen the application of palliative care concepts for patient care and practice and hopefully, earlier screening and intervention.</p>
Pediatric Primary Care Nurse Practitioner (PNP)	Clinical Reasoning II	<p><b>Module: Pediatric Oncology</b>  <i>Specific Contents:</i>                      Three readings in pediatric palliative care,                      An interactive presentation on “Truth behind doing nothing” and                      A video from NICU “Holding Space: Palliative Care in the NICU at Johns Hopkins</p>

		Children's Center
	Clinical Reasoning III	<p><b>Module: Post-traumatic Stress Disorder</b>  <i>Specific contents:</i>  Reading a chapter “palliative care &amp; pain management”</p> <p><b>Module: Delirium and Palliative Care</b>  <i>Specific contents:</i>  Reading a chapter “pain management, pediatric palliative &amp; end-of-life-care”  Assignments: Continuing Education Activity: Adolescent Health  Learning activity includes completion of any one of the CAPC modules: delivering serious news, support the family caregiver, care coordination pain assessment (including any of the 13 pain modules)</p>
	Clinical Reasoning IV	<p><b>Module: Palliative Care</b>  <i>Specific contents:</i>  A class is assigned to discuss on palliative care infancy includes a video and the reflection activity on the video (used ELNEC content)</p>
	Clinical Reasoning V	<p><b>Module: Complex Management in NP Practice</b>  <i>Specific contents:</i>  Palliative care (cancer diagnosis)  End of Life decisions  Communication</p>
Adult-Gerontological Primary Care Nurse Practitioner (AGPC-NP)	Clinical Reasoning II	<p><b>Module: Chronic Pain and Gastrointestinal Disorder</b>  <i>Specific Contents:</i>  An interactive presentation on “chronic pain management” and “safe opioid prescribing”  Student read an article on palliative care earlier in the disease course in the context of the opioid epidemics  Assignment: chronic pain case study will ask- pain assessment and management  In class zoom session, the following questions guide discussion: what palliative care means to you, what do patients and families feel/think when they hear palliative care, when will you consider palliative care in your practice</p> <p><b>Module: Geriatric Syndromes</b>  <i>Specific Contents:</i>  Assessment of cognitive impairment and clusters of chronic condition symptoms</p>
	Clinical Reasoning III	<p><b>Module: Post-traumatic Stress Disorder</b>  <i>Specific contents:</i>  Reading a chapter “palliative care &amp; pain management”</p> <p><b>Module: Delirium and Palliative Care</b>  <i>Specific contents:</i>  Reading a chapter “palliative care and pain management” in Current Diagnosis and Treatment Pediatrics/Current Medical Diagnosis and Treatment and  Reading an article on palliative care for Dyspnea and Delirium  Assignments: Continuing Education Activity: Adolescent Health  Learning activity includes completion of any one of the CAPC modules: delivering serious news, support the family caregiver, care coordination pain assessment (including any of the 13 pain modules)</p>
	Clinical Reasoning IV	<p><b>Module: Complex Cardiovascular Pulmonary Disease</b>  <i>Specific contents:</i>  includes an article on “palliative care for pts with heart failure from AACN”</p>
	Clinical Reasoning V	<p><b>Module: Complex Management in NP Practice</b>  <i>Specific contents:</i>  Palliative care and end of life decisions  Communication</p>
Adult-Gerontological Acute Care Nurse	Acute Care I	<b>Module: Assessment and Management of Acute Pain, Opioid Use Disorder and Substance Use in the Acute Care Setting</b>

Practitioner (AGAC-NP)		<p><i>Specific Contents:</i> Introduction to pain management in the acute care setting both pharmacologic and non-pharmacologic options</p>
	Acute Care IV	<p><b>Module: Palliative Care, Hospice Care and Bereavement</b> <i>Specific Contents:</i> Palliative care and Hospice care in the acute care setting Delivering bad news, Difficult conversations</p> <p><b>Module: Legal and Ethical Principles</b> <i>Specific Contents:</i> Advanced care planning including advanced directives, MOLST documents Capacity and competence Goals of care conversation and end of life care</p>
Clinical Nurse Specialist (CNS)	Clinical Judgement I	<p><b>Module: Fatigue, Sleep Disorders, Altered Nutrition</b> <i>Specific Content:</i> Reading on fatigue in healthy and diseased individuals from American Journal of Hospice and Palliative Care</p> <p><b>Module: Pain and Dyspnea</b> <i>Specific Content:</i> Reading on palliation for dyspnea</p>
	Clinical Judgement III	<p><b>Module: Vulnerable Populations and Specialized Care</b> <i>Specific Content:</i> Reading on the Palliative APRN Leader</p> <p><b>Module: Cardiopulmonary and Multisystem Failure</b> <i>Specific Contents:</i> Principles of care from prevention through treatment, transitions of care and palliation for multisystem disorders Required reading on palliative and end of life care Adult-gero reading on palliative care and chronic heart failure Peds reading on providing compassionate end of life care in the setting of mechanical circulatory support Optional readings on palliative care and COPD, palliative care and cardiac ICU</p> <p><b>Module: Oncology Diseases</b> <i>Specific Content:</i> Oncology palliative care case studies (ELNEC resources, self-directed learning activity)</p>
	Clinical Practicum III	<p><i>Specific Contents:</i> Patient-focused palliative care resources in adult health and pediatrics; required assignment to develop a care plan for the patient with palliative care needs</p>