

ARKANSAS TECH UNIVERSITY

DEPARTMENT OF NURSING



NUR 4981: Special Problems

Overview of Oncology Nursing

Fall, 2020

Arkansas Tech University

Department of Nursing

Course Number: NUR 4981

Course Title: Overview of Oncology

Semester Credits/ Credit hours: 1 hour

Lecture Hours: Combination on-line and face-to-face classroom (TBA)

Faculty name: Wanda Christie, PhD, RN, RN-BC

Faculty contact information:

wchristie@atu.edu

Dean, Room 222

Arkansas Tech University

Russellville, AR 72801

Office hours: by appointment

Cell phone: (479) 970-0494

Home phone: (479) 968-1826

Prerequisites/Co-requisites:

Developed to be taken in Level 1, 2, or 3 of Upper Division Nursing or with consent of instructor.

Relationship to Program/Mission Outcomes:

1. Relationship to Mission:
This course directs students in the achievement all statements (1-7) of the Department of Nursing Mission. This upper division professional nursing course provides opportunities for the student to apply knowledge and skills from the general education component and from nursing courses to the care of individuals.
2. Relationship to Program Outcomes:
The learner progresses toward Program Outcomes 1, 2, and 4 by the completing this course.
3. Relationship to General Education Objectives:
The knowledge and skills acquired through successful completion of this course will enable students to understand and appreciate the importance of communication, abstract thinking, global issues, historical perspectives and the social and governmental processes.

Course Description:

This course is an overview of the different aspects of treatment of patients with cancer. It will include a short synopsis on the cellular changes that occur with cancer, the different preventives and diagnostics that are done, the modalities of treatment and management of side effects of

treatment, as well as the emotional and psychological impact of cancer on the patient and their significant others. The course builds upon and expands core knowledge of human anatomy, physiology, and psychology.

Course Objectives: Upon completion of this course students will be able to:

1. Describe basic cellular changes that occur with cancer.
2. Define common terminology used in diagnosing and treating oncology patients.
3. Explain the common tests used in diagnostic settings.
4. Discuss different modalities of treatments.
5. Identify common chemotherapy drugs.
6. Explain and compare how different drugs and treatments work during the cell cycle.
7. Discuss common side effects of treatment, including the care of the patient.
8. Understand the psychological impact of cancer on the patient and family.

Required titles:

- No text required (provided on Blackboard)
- Selected Readings provided online.

Course Policies:

Attendance Policy:

Attendance is required for this class. The attendance may be by Blackboard or classroom setting, depending on week. Some face to face class time is required, and these times will be determined during the first meeting time. If the student is unable to attend a scheduled face to face class session, then time can be made up by assignments on Blackboard. I expect each student to be responsible for checking Blackboard 2 to 3 times weekly as grades and announcements will be posted on the Blackboard site. Attendance for Midterm test and Final is mandatory.

Student Evaluation/Grading Policies:

The grade will be determined by the following:

| | |
|-----------------------------|------------|
| Attendance (online & class) | 50 |
| Midterm test | 100 |
| Final test | <u>100</u> |
| | 250 points |

Grading scale:

- 90-100 points = A
- 80-89.49 points = B
- 75-79.49 points = C
- 68-74.99 points = D
- 67.9 points and below = F

Grades will be posted on Blackboard for you to see as work is graded. Any grade below 75% will not be rounded up. A grade of "I" may be recorded for a student whose work is incomplete due to circumstances beyond the student's control. This grade will be assigned at the discretion of the instructor according to the amount of time missed, the ability of the student to complete the necessary assignments, and the quality of the student's previous work. The student must take responsibility for removal of the incomplete grade according to the Arkansas Tech University's catalog requirements.

Examination Policy:

Testing dates will be announced according to university testing policy.

Disability/Special Accommodations:

Arkansas Tech University values diversity and inclusion and is committed to a climate of mutual respect and full participation of all students. My goal is to create a learning environment that is useable, equitable, inclusive and welcoming. If there are aspects of the instruction or design of this course that result in barriers to your inclusion or prevent an accurate assessment of your achievement, please meet with me privately to discuss your needs and concerns. You may also contact the Office of Disability Services, located in Doc Bryan Student Center, Suite 141, in person, via phone at (479) 968-0302 or TTY (479) 964-3290, via email at disabilities@atu.edu, or visit their website at <https://www.atu.edu/disabilities/index.php> in order to initiate a request for accommodations.

Expectations of Students:

You will find your assignments under Course Schedule. Each week will have an individual Module devoted to the topic(s). Please be sure to look at this, as there will be specific information you need to know.

Overview of Oncology Course Schedule

| | Topic(s) | Reading Assignments |
|----------|--|--|
| Hour 1 | Module 1: What is Cancer? Introduction Define Cancer Common terms used | <i>Students should familiarize themselves with Blackboard assignments and readings that they are responsible for during the semester. Read Section 1</i> |
| Hour 2 | Module 2: Etiology of Cancer Explore different Cancer theories | <i>Read Section 2</i> |
| Hour 3 | Module 3: Detection and Diagnosis Seven Warning Signs of Cancer Recommended guidelines for early Cancer detection | <i>Read Section 3</i> |
| Hour 4-5 | Module 4: Cancer at the Cellular and Molecular Levels Review the cell cycle Types of tissue | <i>Read Section 4, 5, and 6</i> |

| | | |
|------------|---|---|
| Hour 6-7 | Module 6: Modalities of Treatment Explore modalities of Cancer treatment: Surgical Radiation Chemotherapy Biotherapy | <i>Read Section 9</i> |
| | Midterm Exam | <i>Date and time to be announced.</i> |
| Hour 8-9 | Module 7: Common Drugs used in the Treatment of Cancer Understand the variety of drugs available and the expected actions and side effects of the medication regimens | <i>Chapter 10</i> |
| Hour 10-11 | Module 8: Managing Treatment Side Effects Discuss the significance of blood counts in Cancer patients Explore the immune system and the purpose of different immunotherapies | <i>Read Section 7 & 8</i> |
| Hour 12 | Module 9: Emotional and Psychological Impact on Cancer Patients and their Family Stages of Death and Dying Financials Aspects of Treatment Role Changes | <i>Information will be provided via Blackboard.</i> |
| Hour 13-14 | Module 10: Pulling it all Together | <i>Face to face class time. Students should be ready for final discussion and review of basic concepts of cancer. Test review for final exam during this class.</i> |
| | Final Exam | <i>Date and Time to be announced.</i> |