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| **PROFESSOR:** | **PHONE NUMBER:** |
| **OFFICE LOCATION:** | **E-MAIL:** |
| **OFFICE HOURS:** | **SEMESTER:** |

1. **COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:**

**NUR 3145 PHARMACOLOGY AND ALTERNATIVE THERAPEUTICS (3 CREDITS)**

This course builds on the student’s knowledge of pharmacology and therapeutics. Major categories of pharmacological agents and alternative, nutritional, and complimentary therapies are explored. Application of pharmacologic concepts, drug interactions, legal responsibilities, and nursing considerations are examined.

1. **PREREQUISITES FOR THIS COURSE:**

Acceptance into the RN to BSN Program. Current valid, unencumbered, and unrestricted RN license.

**CO-REQUISITES FOR THIS COURSE:**

None

1. **GENERAL COURSE INFORMATION:** Topic Outline.

* Principles of Pharmacotherapeutics, Pharmacodynamics, and Pharmacokinetics
* Drug Administration and the Nurse’s Role
* Alternative and Complementary Therapies
* Medications, Nutrients and Therapies Associated with Neurology and Psychiatric Therapies
* Medications, Nutrients and Therapies Associated with the Endocrine System
* Medications, Nutrients and Therapies Associated with the Digestive System
* Medications, Nutrients and Therapies Associated with the Cardiovascular System
* Fluids/Electrolytes and Acid-Base
* Medications, Nutrients and Therapies Associated with the Pulmonary System
* Medications, Nutrients and Therapies Associated with the Immune System and Used to Treat Infections
* Medications, Nutrients and Therapies Associated with Anesthesia and Pain
* Medications, Nutrients and Therapies Associated with Cancer Therapies

1. **All courses at Florida SouthWestern State College contribute to the general education program by meeting one or more of the following general education competencies:**

**C**ommunicate clearly in a variety of modes and media.

**R**esearch and examine academic and non-academic information, resources, and evidence.

**E**valuate and utilize mathematical principles, technology, scientific and quantitative data.

**A**nalyze and create individual and collaborative works of art, literature, and performance.

**T**hink critically about questions to yield meaning and value.

**I**nvestigate and engage in the transdisciplinary applications of research, learning, and knowledge.

**V**isualize and engage the world from different historical, social, religious, and cultural approaches.

**E**ngage meanings of active citizenship in one’s community, nation, and the world.

**A.**  **General Education Competencies and Course Outcomes**

1. Listed here are the course outcomes/objectives assessed in this course which play an integral part in contributing to the student’s general education along with the general education competency it supports.

General Education Competency: **Investigate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

* Apply critical thinking concepts to planning and managing care in the acute and chronic care environments resulting in clear, technically accurate, and specific descriptions of patient conditions and appropriate remediation.
* Integrate theory, research, ethical, legal, and professional standards to demonstrate accountability in healthcare leadership decisions.

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

* Incorporate evidence-based research into the design of nursing interventions for populations, groups, families and individuals in their environments.
* Analyze data from a comprehensive holistic health assessment of populations, groups, families and individuals across the lifespan in their environment with caring and compassionate behavior.

**B.** **Other Course Objectives/Standards**

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| **NUR 3145 PHARMACOLOGY AND ALTERNATIVE THERAPEUTICS** | |
| **END OF PROGRAM STUDENT LEARNING OUTCOMES** | **COURSE OUTCOMES** |
| 1. Synthesize knowledge from nursing and the physical, behavioral, psychological and social sciences, and the humanities in the practice of professional nursing. | Integrate pharmacotherapeutics, pharmacodynamics, pharmacokinetics, chemistry and toxicology into clinical reasoning.  Compare and contrast the types of medication and /or alternative therapies used for identified disorders.  Identify teaching learning needs of the patient receiving pharmacological and non-pharmacological treatments.  Identify the impact of an individual’s culture and genetics on utilization of a medication regimen. |
| 1. Integrate global health and health care, its relevant issues and policies as they relate to professional nursing practice. | Identify the impact of an individual’s culture and genetics on utilization of a medication regimen. |
| 1. Evaluate research in the exploration of the spectrum of health within the framework of evidence-based practice. | Describe and integrate the pharmacological principles related to medication administration in evidence based practice.  Identify the impact of an individual’s culture and genetics on utilization of a medication regimen. |
| 1. Synthesize standards of professional practice and care. | Describe safe medication administration with regard to drug actions, clinical indications, adverse reactions, drug interactions, efficacy, and discuss the implications for nursing care.  Discuss legal and ethical nursing responsibilities related to medication administration and pharmaceutical development and their application to nursing practice. |
| 1. Articulate the role of the professional nurse within interprofessional teams. | Discuss legal and ethical nursing responsibilities development and their application to nursing practice related to medication administration and pharmaceutical. |
| 1. Analyze current and changing health care information technologies and systems | Describe and integrate the pharmacological principles related to medication administration in evidence based practice. |
| 1. Summarize the components of leadership and followership in professional nursing practice. | Distinguish between the advantages and disadvantages of each type of medication used to treat disorders and ways to ensure patient safety.  Describe safe medication administration with regard to drug actions, clinical indications, adverse reactions, drug interactions, efficacy and discuss the implications for nursing care |
| 1. Interpret the social responsibility of the nursing profession in the development and implementation of health care policy. | Discuss legal and ethical nursing responsibilities development and their application to nursing practice related to medication administration and pharmaceutical. |

1. **DISTRICT-WIDE POLICIES:**

**Programs for Students with Disabilities**

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College’s guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <http://www.fsw.edu/adaptiveservices>.

**REPORTING TITLE IX VIOLATIONS**

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct.  Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at [equity@fsw.edu](mailto:equity@fsw.edu).  Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online.  Additional information and resources can be found on the College’s website at <http://www.fsw.edu/sexualassault>.

1. **REQUIREMENTS FOR THE STUDENTS:**

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

1. **ATTENDANCE POLICY:**

The professor’s specific policy concerning absence. (The College policy on attendance is in the Catalog, and defers to the professor.)

1. **GRADING POLICY:**

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

90 - 100 = A

80 - 89 = B

70 - 79 = C

60 - 69 = D

Below 60 = F

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.)

1. **REQUIRED COURSE MATERIALS:**

(In correct bibliographic format.)

1. **RESERVED MATERIALS FOR THE COURSE:**

Other special learning resources.

1. **CLASS SCHEDULE:**

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

1. **ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:**

(Which would be useful to the students in the class.)