

COURSE DESCRIPTIONS – PRE-NURSING
**(Cooperative Program – UW-Eau Claire/
St. Joseph’s Hospital, Marshfield/UW-Stevens Point)**

STUDENTS WILL FULFILL GENERAL DEGREE REQUIREMENTS FOR UW-EAU CLAIRE

Communications 101 – **Fundamentals of Oral Communication** (2 or 3 cr.) – Introduction to and application of those principles, which lead to an understanding of and facility with practical discourse. (**Foreign Language** equivalent may be substituted.)

English 101 – **Freshman English** (3 cr.) – Critical reading, logical thinking, and effective writing. Write frequently in and out of class using rhetorical strategies for a variety of purposes and audiences. Prereq: Satisfactory placement test score

English 102 – **Freshman English** (3 cr.) – Analytical reading and writing and the methods of inquiry common to various academic disciplines. Write Frequently in and out of class, using suitable sources of information and appropriate methods of documentation. Prereq: 101 or equivalent.

Psychology 110 – **General Psychology** (3 cr.) – The study of experience and behavior.

Psychology 260 – **Introduction to Development Psychology** (3 cr.) – Survey of growth and development; physical, perceptual, cognitive, linguistic, emotional, and social development; emphasis on human development from conception to adulthood. Prereq: 110

Psychology 300 – **Statistics for Psychologists** (4 cr.) – Calculation and interpretation of measures of central tendency, variability, correlation, and regression in psychological research; hypothesis testing and estimation from large and small samples; analysis of variance; forms of experimental design. Three hours lecture, two hours lab per week. Prereq: 110, and Math 100 or suitable placement test score.

Chemistry 105 – **Fundamental Chemistry** (5 cr.) – For students who desire one year of college chemistry. Fundamental principles and theories of chemistry, stoichiometry, nuclear chemistry, thermochemistry, atomic structure and bonding, descriptive chemistry of the nontransitional metals. Three hours lecture, one hour discussion, three hours lab per week. Prereq: Mathematics 51 or placement in 100 or above.

Biology 160 – **Introduction to Animal Biology** (5 cr.) – Anatomy, physiology, adaptation, and classification of animals; morphology and anatomy of various types of animals. Three hours lecture, three hours lab per week. Additional two-hour test sections four times during the semester.

Biology 285 – **Human Physiology** (4 cr.) – Normal functions of organ systems in humans; fulfills the physiology requirements for biology, human development and nutritional sciences, physical education majors, and is recommended for students with preprofessional interests in medical or allied health fields. Three hours lecture, three hours lab per week. Prereq: 160; or 101 and Chemistry 101.

Biology 333 – **General Microbiology** (4 cr.) – Morphology, physiology, classification, and cultivation of bacteria and viruses, with introduction to microbial genetics, pathogenesis, and immunology. Two hours lecture, four hours lab per week. Prereq: 101, 130, or 160; and Chemistry 106 or 116.

Biology 387 – **Human Anatomy** (4 cr.) – Human Anatomy is examined using models, X-rays, charts, computer animations, and prosected cadaver demonstrations. Complements Biol. 285 to provide a general background in human structure and function. For students preparing for health care careers. Three hrs. lecture, three hrs. lab per week. Prereq.: 281 or 285 or con reg 281 or 285.

Mathematics 100 – **College Algebra** (3 cr.) – Functions, solutions and graphs of linear and quadratic equations, inequalities and systems of equations; logarithmic and exponential functions. Prereq: 051 or suitable placement test score.

Mathematics 355 – **Elementary Statistical Methods** (4 cr.) – Fundamental concepts and techniques which underlie applications to the various disciplines, including descriptive statistics; averages; dispersion; random sampling; binomial, normal, Student T, Chi-square, and F distributions; estimation and test of hypothesis; linear regression and correlation; laboratory emphasis on sampling and applications. Prereq: 100 or a suitable placement test score.

Clinical Laboratory Science 105* - **Evolution of Health Care and Health Care Professions.** (3 cr.) History of medicine and evolution of health care professions in the context of philosophical and cultural influences; examine various health care systems; analyze current health care system and health professions in the United States.

Clinical Laboratory Science 295* – **Medical Terminology** (2 cr.) – Examination of bases of medical terms-prefixes, suffixes, roots, combined forms; terms that name the nine basic body systems and organs. Two hours lecture per week.

*Recommended courses.

NOTE: The following courses are UW-Eau Claire courses in nursing completed at St. Joseph's Hospital in Marshfield, Wisconsin.

NRS 212 – **Navigating Health Care** (1 cr.) – Emphasis on decision making in wellness and health care. Includes advocacy for self and others. Consideration of values, financial aspects, effectiveness of choices in promoting wellness. Introduces health care providers and services.

NRS 230 – **Nursing: Introduction to the Profession** (3 cr.) – Introduction to definition and meaning of the discipline of nursing. Nursing's historical evolution within a context of education, practice, and theory is examined. Introduction to nursing research and contribution of nursing leaders.

NRS 240 - **Foundations of Nursing Practice** (7 cr.) - Introduces concepts of caring, communication, and clinical decision-making in professional nursing. Emphasis is on relationships, health assessment, health education, and psychomotor skills. Includes campus and clinical laboratory experiences.

NRS 330 – **Nursing: Context of Practice** (2 cr.) – Applies nursing research and introduces health care systems as the environmental context for nursing practice. Integrates self-management skills with development of intraprofessional relationships.

NRS 335 – **Nursing: Health Promotion with Child, Families and Community** (4 cr.) – Describes roles and responsibilities of nurses who work with children, families, and/or communities. Concepts emphasized include health promotion, illness prevention, family-centered care, community health nursing, and environment.

NRS 345 - **Nursing: Health and Health Deviations of Adults I, Theory and Practice** (7 cr.) - Concepts examined are foundational to nursing and encountered across the adult lifespan in diverse settings. Explores pathophysiological theories, human responses. Focuses on selected nursing skills. Clinical decision-making related to the care of adults experiencing health and health deviations.

NRS 350 – **Nursing: Health and Health Deviations of Adults II** (4 cr.) – Focuses on complex interactions of health and health deviations of adults. Interrelationships among health problems and human responses are examined. Includes physical health, mental health, and pathological processes. Continues application of nursing clinical decision-making.

NRS 352 – **Nursing Practice: Adults II** (2 cr.) – Focuses on clinical decision making and application of theory. Emphasis on complex acute and chronic health deviations in adults. Clinical laboratory.

NRS 358 – **Nursing: Individual and Family Transitions** (2 cr.) – Focuses on nursing during major life transitions. Integration of theory, cultural implications, and individual/family responses to transitions. Primary consideration is given to nursing care with the individual and family during the perinatal experience.

NRS 368 – **Nursing Practice: Children, Families and Communities** (2 cr.) – Focuses on nursing clinical decision making process and application of knowledge of health promotion and maintenance for children and families within the context of community. Students function in various roles in providing care. Clinical laboratory.

NRS 420 – **Nursing: Health Enhancement** (4 cr.) – Theory and research relevant to health and development of adults. Conceptual basis for group as client is included. Independent health-enhancing nursing interventions for individuals or groups are examined.

NRS 422 – **Nursing Practice: Health Enhancement** (2 cr.) – Application and evaluation of theory and research to facilitate positive adult and group development and movement toward optimal health. Clinical experience incorporates independent, health enhancing nursing interventions.

NRS 432 – **Nursing: Management within Systems** (4 cr.) – Relates systems theory to management and leadership within health care organizations. Management processes, leadership behaviors, organizational culture, conflict, change and power are studied. The nurse role as manager is examined.

NRS 435 – **Nursing Practice: Families and Children with Health Deviations** (3 cr.) – Focuses on the relationship between nursing practice and issues surrounding families and children experiencing a health deviation or a high risk situation.

NRS 438 – **Nursing Practice: Families and Children with Health Deviations** (2 cr.) – Focuses on clinical decision making with children and families experiencing health deviations or high risk status. Increasingly sophisticated application of theory and research are emphasized. Clinical laboratory.

NRS 470 – **Nursing: Professional Practice within Systems** (2 cr.) – Senior capstone. Emphasis on synthesis of concepts and theories; critical thinking; influencing nursing and health care directions. Focuses on health care needs of a global society and nursing's interactions within complex, interdisciplinary health care systems.

NRS 472 – **Nursing Practice: Application and Reflection** (7 cr.) – Senior capstone. Refinement of and reflection on clinical decision making, leadership, and research processes. Management of nursing care for groups of clients across the lifespan in various settings. Transition to role of beginning professional nurse.