Course Title: Nursing Math, Medications & Skills
Submitted By: Jeff Torrel
Semester Course Prefix and Number: NURS 1230
Old Quarter Course Prefix and Number: NURS 1222 & NURS 1232
Number of Credits: 6
Number of Lecture Credits: 2
Number of Lab Credits: 4
Number of Lab Hours: 8
Number of Studio/Demonstration/Internship Credits: 0

Course Purpose Code:
0 – Developmental Courses
1 – Non-transferable
2 – Technical course related to career programs
3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
This course covers the assimilation and application of nursing skills. It will include skills related to the prevention of infection, performance of a focused physical assessment (including vital signs, neuro checks, auscultation of heart, lung, and bowel sounds), skills related to elimination (including Foley catheter insertion, enema administration, ostomy cares), skills related to surgical care, postmortem care, nursing documentation, oxygenation (including tracheostomy care, oxygen application) and others. The legal/ethical responsibilities of the practical nurse are also covered. This course covers the legal/ethical responsibilities of medication administration and recording. It includes a review of basic math, fractions, decimals, ratios, proportions, and metric systems of measurement. The student is taught drug classifications/purpose and how to use drug reference books. Instruction is given on dosage calculations, safe administration of medications (all routes including parenteral), and documentation.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): BIOL 1415 or BIOL 2551 and 2552, PSYC 2551, NUNA 1215 or Current MN CNA Registry, CPR (BLS)
Reading Prerequisite: Accuplacer score of >=78
Composition Prerequisite: ENGL 1511
Mathematics Prerequisite: Elementary Algebra Accuplacer Test score >=55 or MATH 0095

Career Programs and Transfer Majors Accessing this Course:
Practical Nursing
Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:
(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer’s approval are required.)
0.  x  None  6.  _____  The Humanities and Fine Arts
1.  _____  Communications  7.  _____  Human Diversity
2.  _____  Critical Thinking  8.  _____  Global Perspectives
3.  _____  Natural Sciences  9.  _____  Ethical and Civic Responsibility
4.  _____  Mathematical/Logical Reasoning  10.  _____  People and the Environment
5.  _____  History and the Social and Behavioral Sciences

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

Student Learning Outcomes (SLO)

SLO: Patient/Relationship Centered Care:
1) Discuss caring communication skills when using the nursing process in the provision of culturally sensitive patient care.
2) Provide examples of health care information and reinforcing established teaching plans.

SLO: Safety:
3) Demonstrate basic nursing skills within the PN scope of practice using proper techniques and measures that ensure patient safety (ie bed rails, infection control).

SLO: Informatics/Technology:
4) Document accurately the provision and outcomes of patient care in the lab setting.

SLO: Nursing Judgment/Evidence Based Care:
5) Demonstrate basic assessment skills within the PN scope of practice using proper techniques that ensure patient safety.
6) Identify patient care concepts and their relationship to practical nursing skills that is safe for the nurse and the patient.
7) Calculate dosage calculations utilizing the ratio/proportion method accurately to ensure patient safety.

SLO: Professional Integrity and Behaviors:
8) Describe the legal and ethical implications/aspects of medication administration.

Student Assessment Methods:
Return Demonstration (Student demo), Written tests relating to each skill/unit, Written assignment, Attendance and participation

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):
Overhead projector, PowerPoint, videos, computer software, simulation equipment

Additional Special Information: (special fees, directives on hazardous materials, etc.)
Lab fee

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Affiliated Mesabi Range College Courses and Programs:

Approvals:

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Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: December 2012