COURSE DESCRIPTION
This course introduces the student to the physiological concepts of nursing practice across the lifespan. The fundamental aspects of oxygenation, perfusion, acid-based balance, fluid and electrolytes infection, immunity, inflammation, digestion and metabolism are explored. Through the integration of the nursing concepts, along with Tanner’s clinical judgment model, the student begins to respond to identified client problems in the clinical setting. Students engage in clinical experiences in acute medical-surgical units.

Credits: 10 (Theory 5 / Clinical 5)       Theory Hours: 75 hours       Clinical Hours: 225 hours

Length: 16 weeks

Pre-requisite courses: Nursing 101 & 102

STUDENT LEARNING OUTCOMES:

At the end of this course, the student will be able to:

1. demonstrate evidence based practice within the clinical environment.
2. incorporate individual client preferences and values into the plan of care.
3. communicate with members of the healthcare team.
4. utilize technological resources as a means to relay accurate information and prevent error.
5. adhere to safe practices of nursing standards of care.
6. implement a plan of care based on the client’s priority needs.

TOPICAL OUTLINE:

I. Acid-Base Balance
II. Oxygenation
III. Fluid and electrolytes
IV. Perfusion
V. Metabolism
VI. Infection/Immunity/Inflammation
VII. Digestion
REQUIRED TEXTBOOKS:


ATI Products (TBD)

COURSE FACULTY

COURSE CHAIRPERSON:

DIDACTIC:

CLINICAL:

CLINICAL SITES

ELECTRONIC LEARNING SYSTEM:

All students are required to utilize the School of Nursing learning system Moodle ([http://smhmoodle.upmc.com](http://smhmoodle.upmc.com)) while enrolled in the course.

All course documents, supplemental activities, assignments and grades will be posted on the learning system.

GENERAL COURSE INFORMATION

Students having difficulty at any time during the course are encouraged to make an appointment with the course chairperson or member of the academic support team.

Each student is responsible for the information and all policies in the UPMC Schools of Nursing Student Handbook.

UPMC Schools of Nursing are mandatory clinical attendance schools. Attendance at clinical experiences is required. Please refer to the specific policy for details.

The Code of Conduct Policy of UPMC Schools of Nursing prohibits students from giving or receiving information related to examinations, simulations or other evaluation methodologies.

Students are required to complete the end of course evaluations as part of the overall course requirements.
SPECIFIC COURSE REQUIREMENTS

All course requirements, clinical experiences, and assignments must be completed by the assigned date and time within the course.

THEORY COURSE REQUIREMENTS:

GRADING:

Theory Evaluation Methods

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<tr>
<th>Theory Evaluation Methods</th>
<th>Points</th>
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<tr>
<td>Unit exams</td>
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<td>Final Examination</td>
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<td>ATI Exams</td>
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<td><strong>Total Points</strong></td>
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• Students must demonstrate achievement of course objectives by attaining a minimum grade of a C which is equal to 76% of the total course points. The final percentage earned is not rounded. Please see grading Scale below:

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<th>Final Earned Letter Grade</th>
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Examinations

Photo Identification for Examinations

o Students will be required to present their UPMC School of Nursing photo identification or government issued (ID) in order to take each examination.

o Failure to present the required ID will result in rescheduling of the examination and a 7% reduction in the examination grade.

o The make-up exam will be scheduled at the discretion of the course coordinator.

ATI Review Program

There will be course points allocated to ATI practice assessments and remediation. All assignments related to ATI must be completed by the due date published on the ATI rubric for this course. No late assignments will be accepted.

Remediation must be completed in its entirety for the points to be awarded. Please refer to the policy for the remediation process.
CLINICAL COURSE REQUIREMENTS
Students are expected to receive a rating Satisfactory in each clinical objective in order to pass the clinical portion of the course. If a student fails the clinical portion of the course, at any time, the student will not be permitted to continue in the nursing course and will receive a failure for the course. Refer to the Satisfactory Academic Progress Policy in the student handbook for further information.

Attendance:
- Attendance at all clinical experiences is required
- Please refer to Clinical Attendance Policy.

IV Skills Lab
All students will participate in a skills lab related to IV medication administration during the first week of the courses.

Clinical Evaluation
- Students must meet with faculty during posted office hours to review their evaluation week 4, 8, 12 and 16. This review must occur prior to the next clinical laboratory and/or practicum.
- If a student receives a rating of Unsatisfactory for any behavior on the clinical evaluation; the student must meet with the clinical instructor prior to the next clinical experience to review and acknowledge the Performance Improvement Plan (PIP).
- Clinical is pass/fail. Students must successfully meet all clinical objectives by the end of the course.

ATI Dosage Calculation and Safe medication
1. Students must complete all assigned modules by the scheduled due date. Students not completing will receive an Unsatisfactory on the clinical evaluation.
2. The above modules will remain open throughout the course for the student to practice prior to the proctored exam.
3. Students must achieve $\geq 80\%$ on each of the proctored exams. Student not achieving the required score will fail the clinical portion of the course. Student will have two attempts to pass each proctored exam.

Clinical Competencies