COURSE:    PREFIX NO: | EFFECTIVE DATE | NEXT REVIEW DATE
NUR 221 | January 2015 | January 2016

TITLE | CREDITS | CONTACTS CLASS - LAB - TOTAL
Advanced Nursing Concepts | 5 | 2 - 9 - 5

PREREQUISITES: BIO 211, NUR 214, NUR 210 with a grade of “C” or better; Co-requisite NUR 217.

DESCRIPTION: This course expands the application of the nursing process in the care of persons throughout the life span who are experiencing complex health problems.

TEXTBOOK(S) OR ALTERNATIVE:
ATI Practice and Predictor Test


All textbooks used in past nursing classes

MATERIALS (specifying those to be purchased by student):
Basic calculator for doing math questions

COLLATERAL READING: To be assigned.

CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):
Academic Dishonesty:
NETC honors the state SCTCS Student Code with regard to Academic Dishonesty. Students should read the NETC College Catalog and Associate Degree Nursing Program Handbook. A copy of the Student Code is available at www.netc.edu.

Statement on Written Assignments:
The instructor reserves the right to refuse any paper, which is messy or unreadable, or appears to be copied. Incorrect grammar and spelling errors will be noted. Papers will be graded on the basis of content, organization, grammar, and neatness.

Attendance and Tardy Policy:
Classroom: Students are expected to attend all class meetings. If a student must be absent, it is the student’s responsibility to notify the instructor, no later than one hour prior to the class scheduled meeting. No more absences are allowed than the number of hours the course meets per week; however, extenuating circumstances may be considered. For example, if a class meets 2 days per week, the student may miss two (2) classes. This class meets one (1) day per week, therefore the student may only miss one (1) day of class. It is
the student’s responsibility to obtain any information missed during a class.

**Clinical:** Students are expected to attend 100% of scheduled lab/clinical activities. Absences will only be excused for extenuating circumstances. If it is necessary to be absent on a clinical day, you will need to call the Nursing Department Administrative Assistant’s number (843-921-6984) no later than 60 minutes prior to the scheduled clinical time (DO NOT SEND MESSAGES BY OTHER STUDENTS), unless your clinical instructor has given you permission to contact her. The reason for the absence must be given. A medical excuse may be required. Violations of this rule may result in dismissal. If you are unable to speak with the Administrative Assistant, leave an e-mail or leave a voice message within the time constraints stated above. The Administrative Assistant will notify your instructor of your message. You should also call the unit you are working on and leave a message with a staff nurse on the unit you are scheduled to work on that day. Get the name of the hospital personnel that you spoke with when you call, and time of call, to relate to your clinical instructor.

Students that are absent from clinical will have to make up this time. Make-up for clinical may be arranged at the discretion of the faculty. No call or no show for clinical is unprofessional conduct and may result in an unsatisfactory (U) for the clinical day. Three U’s in the clinical area may result in clinical failure.

A student who is ill or not prepared may not be allowed in the clinical area. The clinical instructor will make the decision. A statement from a physician may be required before a student returns to the clinical area. Not being prepared for clinical is unprofessional and may result in an unsatisfactory (U) for the clinical day.

If you are pregnant, or become pregnant this semester, you will need to get a statement from your doctor stating it is safe for you to participate in clinical. If you are unable to participate in clinical due to pregnancy, you will need to withdraw from this course.

**Classroom and Clinical Tardy:**
Tardy is defined as arriving at a clinical, agency site or to the classroom after the assigned start time. More than ten (10) minutes tardy will be considered an absence. If a student leaves more than ten (10) minutes prior to the class dismissal, he or she may be considered absent, unless prior arrangements have been made with the instructor. Three tardies are equivalent to one absence in the classroom or clinical setting. Each tardy in the lab/clinical setting may result in an unsatisfactory (U) for the clinical day.

A tardy of 10 minutes or more from the clinical setting is considered being unprepared for clinical and may result in the student being sent home for the day.
Professional behavior is expected at all times in the clinical setting. Any unprofessional behavior may be subject to disciplinary action.

Failure to notify the clinical instructor prior to clinical absence will be considered unethical performance and may result in clinical failure.

**Testing/Final Exams:**

There will be no retests. Makeup tests will be allowed only for valid excuses for missing the examination and prior contact is made. A grade of “F” may be recorded for any test missed. If a problem should arise, a test may be taken early at a time established by the instructor. To be eligible to make up a test, the student must contact the instructor one hour prior to the class time of the day of the test is issued. The student may leave a phone message or e-mail explaining their situation and the timestamp on message must meet the deadline stated in the previous sentence. The instructor will return the call or respond to the e-mail indicating if the excuse is acceptable and the day and time the test can be taken. If the student is allowed to make up the test, they are expected to make up the missed test on your first day back to school (lecture). Failure to do so will result in a grade of zero (0) for that test. The test will be left in the Success Center or designated area by the instructor. The student will need to present their student ID badge in order to take the test. The instructor reserves the right to administer a full discussion test or a test other than the original test.

**Electronic Devices:**

All electronic devices (cell phones, pagers, etc.) must be turned off (not put on vibrate) during class time. You are not to have cell phones with you in clinical areas. If you need to be reached for an emergency during a clinical rotation, have your responder call the school (NETC) Nursing Department (Beth Pearce, Administrative Secretary - 843-921-6984). She will notify your clinical instructor of the situation, or you may give the hospital number where you are doing clinical. (Your clinical instructor may advise you to call her personal phone number). These devices are not part of the instructional environment and may be confiscated by the instructor if utilized during these times. If you are using an e-book in your class, you need to notify the instructor the first day of class. You are to only use your device for e-book purpose, no other access should be used during class period. If a student is a member of emergency preparedness, there must be authorization from the Dean of Student Services to keep the device on during these times. Recorders are prohibited during class unless you have a medical excuse from a medical doctor for a condition that has been previously stated on your physical assessment form.

**Identification Badges:**

The College requires that students wear their Northeastern Technical College identification badge at all times while on campus and within the clinical setting areas. Failure to wear ID badge may result in
the student not being allowed to enter into the classroom or clinical setting.

Classroom Etiquette:
An integral part of an education is developing a sense of integrity, responsibility, and professionalism, not only toward instructors, but also toward other students. In the classroom, as on the job, exhibiting appropriate behavior reflects on your maturity. Arriving late to class, being unprepared, inappropriate talking while class is in session, etc. negatively reflects on fellow students. Please be considerate. If your behavior is considered disruptive to the class, the instructor has the right to dismiss you from the class and you will receive a zero (0) for that class period.

Disabilities Statement:
Students with disabilities are encouraged to contact the Dean of Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Dean of Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. (See College Catalog)

RESOURCES (A-V, persons, tools/equipment):
1. Lecture/Discussion
2. Demonstrations and return demonstrations
3. Care of selected patients
4. Audiovisuals and computer simulations
5. Handouts
6. Clinical conferences
7. Written assignments
8. Role playing
9. Assigned reading
10. Independent study
11. Library research activities
12. Tests
13. Educational resource testing and remediation as assigned

COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and Calendar or approximate length of time devoted to topic.

PLANNED CONTENT SCHEDULE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPICS</th>
<th>CHAPTERS</th>
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</table>
| 1    | Introduction to High-Acuity Nursing | 1 High-Acuity Nursing  
2 Holistic Care of the Patient and Family  
3 The Older Adult High-Acuity Patient  
Saunders NCLEX Review Exam:  
Adult Health: Health Assessment/Physical exam due this week |
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<thead>
<tr>
<th>WEEK</th>
<th>TOPICS</th>
<th>CHAPTERS</th>
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</thead>
</table>
| 2    | Therapeutic Support of the High-Acuity Patient | 4 Acute Pain Management  
5 Nutrition Support  
6 Mechanical Ventilation  
**Saunders NCLEX Review Exam:**  
Fundamental Skills: End-of-life-care  
**due this Week**  
*Drug Calculation Test*  
Will be administered this week. Please study to prepare yourself for this calculation test. |
| 3    | Therapeutic Support of the High-Acuity Patient | 7 Introduction to Hemodynamic Monitoring  
8 Basic Cardiac Rhythm Interpretation  
9 Complex Wound Management  
**Saunders NCLEX Review Exam:**  
Fundamental Skills: Nutrition & Developmental Stages  
**due this week** |
| 4    | Pulmonary TEST #1 | 10 Determinants and Assessment of Pulmonary Function  
11 Alterations in Pulmonary Function  
**Saunders NCLEX Review Exam:**  
Adult Health: Cardiovascular  
Child Health: Eye/Ear/Throat/Respiratory/Cardiovascular  
**due this week** |
| 5    | Cardiovascular | 12 Determinants and Assessment of Cardiac Function  
13 Alterations in Cardiac Function  
14 Alterations in Myocardial Tissue  
**Saunders NCLEX Review Exam:**  
Child Health: Hematological/Oncological  
**due this week** |
| 6    | Neurologic | 1 See Week #5  
2 Determinants and Assessment of Cerebral Perfusion  
3 Mentation and Sensory Motor Complications of Acute Illness  
4 Acute Stroke Injury  
**Saunders NCLEX Review Exam:**  
Adult Health: Neurological  
Fundamental Skills: Fluids & Electrolytes/Acid Base  
**due this week** |
| 7    | Neurologic Gastrointestinal | 5 Traumatic Brain Injury  
6 Acute Spinal Cord Injury  
7 Determinants and Assessment of Gastrointestinal Function |
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<tr>
<th>WEEK</th>
<th>TOPICS</th>
<th>CHAPTERS</th>
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<tr>
<td>7</td>
<td>TEST #2</td>
<td>Saunders NCLEX Review Exam: Pharmacology due this week</td>
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<td>8</td>
<td>Gastrointestinal</td>
<td>8  Alterations in Gastrointestinal Function</td>
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<td>9  Alterations in Liver Function</td>
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<td>10 Alterations in Pancreatic Function</td>
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<td>Saunders NCLEX Review Exam: Critical Care Fundamental Skills: Safety/Infection Control due this week</td>
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<td>9</td>
<td>Fluid and Electrolytes</td>
<td>11  Determinants and Assessment of Fluid and Electrolyte Balances</td>
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<td></td>
<td></td>
<td>12  Alterations in Fluid and Electrolyte Balance</td>
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<td>13  Acute Kidney Injury</td>
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<td>Saunders NCLEX Review Exam: Child Health: Neurological/Musculoskeletal</td>
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<td>Adult Health: Musculoskeletal &amp; Neurological due this week</td>
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<tr>
<td>10</td>
<td>Hematologic</td>
<td>14  Determinants and Assessment of Hematologic Function</td>
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<td>TEST #3</td>
<td>15  Alterations in red cell Function and Hemostasis</td>
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<td>16  Alterations in White Blood Cell Function and Oncologic Emergencies</td>
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<td>Saunders NCLEX Review Exam: Adult Health: Respiratory, Ear, Eye due this week</td>
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<tr>
<td>11</td>
<td>Nutrition and Metabolism</td>
<td>17  Determinants and Assessment of Nutrition and Metabolic Function</td>
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<td>18  Metabolic Response to Stress</td>
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<td>19  Diabetic Crisis</td>
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<td>Saunders NCLEX Review Exam: Adult Health: Renal</td>
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<td></td>
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<td>Child Health: Gastrointestinal/Renal due this week</td>
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<tr>
<td>12</td>
<td>Multisystem Dysfunction</td>
<td>20  Determinants and Assessment of Oxygenation</td>
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<td>21  Multiple Trauma</td>
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<td>22  Acute Burn Injury</td>
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<td></td>
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<td>Saunders NCLEX Review Exam: Adult Health: Immune, Oncology</td>
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<tr>
<td></td>
<td></td>
<td>Child Health: Integumentary/AIDS/Infectious Diseases due this week</td>
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The above outline is a planned tentative outline; the instructor reserves the right to add or delete as needed and in the best interest of the student learner.

**LEARNING OUTCOMES:**  Student will be able:

**Caring**
1. Outline the desired competencies of critical care nurses and standards of critical care practice.
2. Describe the critical care environment including vulnerable populations and health care team members.
3. Identify legal and ethical problems when dealing with critically ill patients.
4. Demonstrate consistent care to patient with complex multisystem problems within the in-patient, outpatient and rural settings.
5. Explain the concepts of critical care nursing to reduce harm and injury and to enhance multi systems functioning.

**Communication**
1. Appraise the effective communication and technology strategies to use with patient, families, peers, members of health care team in critical and complex care institutions.
Critical Thinking
1. Utilize effective decision making in designing nursing care using assessment, prioritizing, processing, implementing and evaluating for complex and critical care patients.
2. Explain the process of critical thinking in a critical care setting in caring for patients.

Teaching and Learning
1. Implement basic teaching plans for individuals and support persons that focus on complex health issues and critical care with a priority on health and safety.

Professionalism
1. Demonstrate acceptance of responsibility for improving and contributing to the integrity of nursing practice.
2. Utilize current information learned through professional development to support nursing judgments and management decisions with complex care.
3. Support critical care patient and families as an advocate.
4. Explain nursing role relating to ethical/legal situations for complex and critical care situations.

COLLEGE WIDE COMPETENCIES:
1. Identify and use sources of information by utilizing information processing skills compatible with job demands in a computer-literate society.
2. Solve problems incorporating effective decision-making, reasoning and creativity.
3. Apply mathematical/computational skills to solve problems.
4. Practice interpersonal skills and teamwork in their lives and chosen careers.
5. Perform professional/technical skills which are appropriate and ethical for their chosen disciplines.

INSTRUCTIONAL METHODS:
1. Lecture
2. Audio-visual aids
3. Class discussion
4. Group discussion
5. Case studies
6. Group and/or individual project(s)
7. Written assignments
8. Role-play
9. Reference readings
10. Moodle and/or other computer-assisted instructions

Evaluation Methods:
Course grades will be derived from theory and practice (lab and clinical rotations). A grade below 78 in theory or an unsatisfactory lab or clinical evaluation constitutes failure of the course regardless of either scoring individually. A student is permitted to repeat a NUR course one time only. The student who repeats any NUR course and does
not achieve a grade of 78 or higher is ineligible for enrollment in the Associate Degree Nursing Program for 5 years.

**ASSESSMENT TOOLS:**
1. Clinical evaluation tool
2. Objective tests 75%
3. Projects/quizzes/presentations ** 5%
4. Final (ATI exam) 20%
5. Patient care plan

** If no quizzes/written assignments/presentations are given, the tests will be worth 80% of your final grade.

**GRADING SCALE:**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Grade Points</th>
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<tbody>
<tr>
<td>A</td>
<td>93-100</td>
<td>4</td>
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<tr>
<td>B</td>
<td>86-92</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>78-85</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>70-77</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>69 &amp; below</td>
<td>0</td>
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Clinical skills lab portion = Pass/Fail but must be passed to pass course.

**ATI Comprehensive Test Grading System for Final Exam:**

Level 3 – 100 (20 points)
Level 2 – 90 (18 points)
Level 1 – 60 (12 points)

Below Level 1 – (No points will be awarded for this score)
Points above calculated on the 20% scale

**CLINICAL SKILLS LAB PORTION**

**S – Satisfactory:** Student has met all criteria

**U – Unsatisfactory:** Student consistently fails to meet criteria and overall performance if unsatisfactory, a clinical grade of “U” constitutes failure in the course.

Students will receive the didactic component of the skill prior to demonstration to insure safe clinical practice. Satisfactory return demonstrations according to designated criteria are required of students in relation to all technical nursing skills. Critical requirements must be met before the student is allowed to use selected skills in administering patient care. Skills must be mastered by the student in the sequence before the end of the course. Instructors will provide additional help to students needing assistance in mastering clinical competencies.

In the clinical component of NUR 221 students must be able to demonstrate good leadership skills in the clinical area. This can be measured by their ability to handle different types of situations, ability to make good ethical decisions, and delegation skills in the
clinical setting, as well as role-play and decision making skills using case scenarios in the classroom setting.

**GUIDELINES FOR NUR 221 STUDENTS:**

1. All written work must have your name on it if you want to get credit for your work.
2. One half (1/2) point will be taken off for each misspelled word. This applies if the same word is misspelled more than once.
3. Students are expected to be fully prepared for each class.
4. Assignments are to be turned in at the assigned time. If you are unable to turn in the assignment, make arrangements to have the assignment turned in for you. Each day your assignment is late 5 points will be deducted from the assignment grade.
5. There is to be no drinking or eating in the classroom or computer area. Bottled water will be allowed in the classroom setting.
6. Instead of having math equations on every test this semester there will be one separate math test given that will count as one of your cumulative test grades. There will be no retake on this test if you do not pass.
7. Students are required to perform designated exam of Saunders Comprehensive Review for NCLEX-RN Companion CD-ROM with a minimum scoring of 85% as assigned. Results of all exams are to be turned into your instructor by the date designated in your course outline. The scores will be calculated together and will count as a quiz grade. The NCLEX-RN Companion CD has been downloaded on the computers in the classroom.
8. ATI practice test will not be assigned in this class unless used as a quiz grade. This will be determined at a later time due to Capstone program being utilized this semester.
9. Students are required to take ATI Comprehensive Exam for Medical-Surgical at a date designated by the instructor near the end of the semester. The level scored on this test will be counted as a Final Test Grade according to the grading scale listed above for ATI Comprehensive Testing Final Grade. This test will only be administered once. No retakes will be allowed. This test is based on material from the ATI textbooks. (Exception: If, for any reason, the nursing committee deems you should be allowed to retake your final exam, you will not be given the ATI version of this exam. Your final exam will involve a written exam developed by the class instructor.
10. Tests Review: All tests will be graded and returned for in-class review no later than two (2) weeks after the date of administration. If the student wishes to review a test in greater detail, the student should make an appointment with the instructor to do so. Students will have one (1) week to review tests, contest an item on the test, or contest the test grade. After the week has passed, the grade is considered final.
11. All students should have access to Moodle on-line program. If you don’t have access or having difficulty with your access, notify Moodle Administration for assistance at moodleadministration@netc.edu
12. You will need to monitor your Moodle account frequently for information regarding your classes, assignments, and messages. You will be responsible for any information that is placed on your Moodle account.

13. Successful completion of NUR 221 is contingent upon both completion of all the course work, including the ATI final exam, and the scoring of a minimum of 85% on the NCLEX on the First Attempt component of the ATI Comprehensive Predictor Exam. During this semester you will be given an ATI Comprehensive Predictor Exam that will determine your probability of passing the NCLEX-RN. You will be given this exam before starting the Capstone program for the first attempt. You must score at least 85% on this exam. If you fail to meet this score, you will need to review your ATI textbooks and practice test before you retake the exam at the end of the semester. Everyone will be given another exam at the end of the semester for a 2nd attempt. If you fail this one, you will not be allowed to participate in the pinning ceremony or be endorsed for state boards. You will have to attend the ATI review class and remediate till mid-term of summer semester at which time you will be allowed to take the exam a third time (at your expense). Failure on the 3rd attempt will result in your withdrawing from the program with a “W” for the semester on NUR 221. If you pass on the 3rd attempt, you will be endorsed for the boards. You will have the option of returning when NUR 221 is offered again if you meet all the criteria, and space is available, to retake the course. Upon completion of course you will be offered the exam again for one attempt. Failure to pass this time will result in the student not receiving his/her nursing degree and will not be endorsed for taking state board exams.

14. The 5th semester marks the ending of your nursing school achievements for the ADN program. When you reach this semester, you should be able to demonstrate skills learned throughout the program with less one-on-one supervision. Because of this, you should not be performing unsatisfactory work in the clinical setting. Therefore, this semester you will be allowed a maximum of 2 unsatisfactory grades on NUR 221 Clinical Performance Evaluation. If a student receives three (3) or more unsatisfactory evaluations markings on the Clinical Performance Evaluation sheet, he/she may receive an unsatisfactory evaluation for the total NUR 221 clinical rotation and may result in failure to meet minimal requirements for the class. Each clinical unsatisfactory grade must be remediated to a satisfactory grade which will be determined by the instructor. If a student jeopardizes patient safety or engages in unethical or illegal behavior, this will result in a clinical course grade of failure. The faculty reserves the right to determine that a student has earned a clinical course grade of unsatisfactory (U) if a student jeopardizes patient safety or engages in unethical or illegal behavior.

15. Instructors in the past have given students their cell phone numbers to use only when they need to notify the instructor about situations involving clinical. It is up to your instructor
to give out their cell number. If the instructor chooses to do this, remember this is not for personal use to call about grades or complaints. Each instructor has an office number that you can call and leave a message and the instructor will get back with you if you need to discuss personal or school problems. **Don’t abuse the cell/home phone privilege.**

16. You will be expected to attend 100% of your clinical time this semester. You will not be excused except for extenuating circumstances, which must be approved by the nursing department. You must be on time to clinical. Being late will count as an absence unless approved by Mrs. White. Failure to come prepared to clinical will count as an unsatisfactory for the day, and you will be sent home. Remember, you are a Senior Nursing student.

17. **You will be expected to do at least one complete care plan this semester which will include a care map component.** It will include the physical, medication cards, pathology, care plan, care map, a complete nurse’s note, etc. If not done correctly, it will be returned to you to be redone. Failure to do it correctly the 2nd time will count as an unsatisfactory on your clinical grade.

18. You will be doing a check off when you return to school. By the last semester you should be able to do the following without making mistakes. If you feel you need to refresh yourself on these skills, you need to do so before you are assigned to come to the skill lab for check off. You will only be given 2 attempts at doing any skill you are assigned. **Failure to pass the skill portion on the second attempt will result in your failing clinical which also results in failure of this class.**

**SKILLS:**

- Proper handwashing
- Full physical assessment
- Inserting indwelling or in/out catheter
- Inserting and D/C IV
- NGT placement
- Applying dressing
- Breath sounds
- Phlebotomy techniques for blood draw
- Proper technique for giving injections
- Administer medications
- Read Basic Rhythm Strips (end of semester)