N 26 – Advanced Nursing Skills and Medication Laboratory II

Core Lecture Hour: 1.0

Laboratory Hours: 2.0

Monday Core Lecture: 1030 – 1120
Lab A 1230 – 1430
Lab B 1445 – 1650

This course provides classroom theory and laboratory application of selected advanced nursing skills.

N26 is taken concurrently with N24 (Theory II), N25 (Clinical II), and N27 (Pharmacology II). Students are expected to spend 3 hours in class and 2 hours outside of class in preparation and study.

Student Learning Outcomes
At the end of this course, the student will be able to:
1. Transfer theoretical knowledge to the safe and accurate performance of selected nursing skills in a simulated clinical laboratory setting.
2. Utilize standardized criteria to evaluate self and others in the performance of skills, and adapt practice as necessary.

Course Objectives

The student will:
1. Demonstrate safe and accurate performance of the nursing skills listed below, utilizing standardized criteria, the Standard Steps for Nursing Procedures used in the Cabrillo nursing program and incorporate all previous learned skills/procedures:
   a. Preparation of an IV system for IV therapy including calculation of rates for administration.
   b. Assessment of intravenous insertion site, conversion of an IV to a saline lock, saline lock flush, and the use of electronic IV pumps.
   c. Administration of medication via the intravenous route: intermittent, direct push, continuous infusion and titration with calculation.
   d. Care of central venous access devices including PICC line, drawing of blood from a central line, management of catheter stabilization devices.
   e. Patient pain assessment, modes of delivery, and documentation required for patients receiving patient-controlled analgesia (PCA) and epidural analgesia.
   f. Establishment of intravenous access & phlebotomy access for blood draws.
   g. Administration of blood products.
   h. Administration of medications to pediatric patients.
   i. Assessment, monitoring and care of patients with chest tubes systems.
2. Describe how standardization & reliability contribute to safety when performing nursing skills.
3. Describe potential complications associated with selected advanced clinical skills, and
demonstrate effective use of strategies to reduce risk of harm to self or others.
4. Solicit input from other students in order to improve individual performance.
5. Communicate in a clear, concise, and professional manner when critiquing a peer’s performance.
6. Identify possible interventions when differences between local and best practice are identified.
7. Identify examples of how evidence-based practice is used to determine best clinical practice.
8. Apply critical thinking skills when practicing nursing skills in the context of a case study.

Faculty
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  Office hours are:
  • posted outside faculty offices and by appointment.
  • found on the Cabrillo college website by instructor name under ‘find people’.

Attendance and Participation
The theoretical basis for skills will be presented during N26 core lecture along with a demonstration. Students will attend 2 hours per week of skills practice lab for the purpose of performing, practicing and validating the learning of skills. Learning opportunities are diminished when a student is absent, especially in those skills that may not be frequently practiced in clinical. Attendance and absence policies applicable to this class are described in both the College Catalog and the Nursing Student handbook. Excessive absences will result in a conference with the level coordinator and the skills lab specialist may jeopardize your ability to pass this course and progress to the next level in the program. It is expected that students arrive on time and be ready to participate in the scheduled skill labs for the full time allocated.

Absence from practice lab:
If circumstances arise that prevent a student from attending the skill practice lab for a specific week, the student is responsible for contacting the skills lab specialist within 24 hours of the missed lab to make an appointment to make up the missed lab.

Switching practice labs:
Attendance at the practice lab is very important. If circumstances prevent a student from attending their assigned skill practice lab, they may switch with another student. Please fill out a Request to Switch Labs form, signed by both students, and give a copy to your lab instructor and
the other to the Academic Nursing Skills Specialist. Unavoidable conflicts are handled on an individual basis.

**NO skill may be performed in clinical until it has been**
1) **taught in theory,** 2) **practiced in the lab,** and 3) **validated during lab.**

**Skills Course Accommodations**

Students needing accommodations should inform the instructor. As required by the Americans with Disabilities Act (ADA), accommodations are provided to insure equal access for students with verified disabilities. To determine if you qualify or need assistance with an accommodation, please contact ACCESSIBILITY SUPPORT CENTER (Formerly DSPS), Room 1073, (831)479-6379.

The nursing faculty encourages students with disabilities to explain their needs and required accommodations to the Level Coordinator. Understanding student needs is important so that we can assist students to succeed. Students must arrange to complete all testing before requesting accommodations. Do not wait until you are failing to seek this help.

**NOTE:** Bring verification of your disability and needed accommodations to the Level Coordinator at the beginning of each semester, and no later than one week prior to an exam. **Students are required to complete clinical skills within a specified time frame; extra time is not given for clinical skills testing in the lab.**

**Grading Criteria**

The grade for this course is based on total points received.

1. **To receive a grade for Basic Nursing Skills and Medications Laboratory I, the student must:**
   1. Complete weekly quizzes due before assigned lab, 100 points available for quizzes.
   2. Practice selected skills, obtain instructor validation for skills during practice lab.
   3. Complete both a mid-term and a final nursing skills competency tests (check off). A total of 100 points are possible for both the mid-term and final nursing skills competency tests.
   4. Complete all assignments as required.
   5. Attendance during practice lab is mandatory. You are responsible for all make-ups.
   6. All labs must be completed to participate in skills check off.
   7. Make arrangement for make-up of any missed lab within 24 hours.

2. **Quizzes (100 points) will consist of the following:**
   You must have a minimum 75 total points (cumulative) on the weekly quizzes to pass this course.
   **Grading scale for quizzes cumulative total:**

   | Grade of A | 92 - 100 |
   | Grade of B | 83 - 91 |
   | Grade of C | 75 - 82 |
   | Grade of D | 66 - 74 |
   | Grade of F | 65 – or lower |
3. **Nursing Skills Validation:**
   - All skills are practiced by students with instructors available to assist and validate student’s performance of a skill during assigned Lab A or Lab B. Validation is documented on a Skills Checklist Sheet. An instructor must validate that he/she observed a student perform the skill.
   - A student will not be eligible for a nursing skills competency test (mid-term or final) unless the student has been validated on their successful performance of all skills practiced in labs prior to each test.
   - If you are absent, your responsibility to contact the Academic Nursing Skills Specialist within 24 hours to arrange an appointment for make-up as soon as possible. Failure to do so reflects poor professional conduct. Be aware that time and lab availability may be limited, therefore, a delay could result in an incomplete or failure of the class.
   - **REMINDER:** NO skill may be performed in clinical until it has been taught in theory, then practiced and validated during lab. *If you are in clinical and a nurse asks you to do a skill that has not been taught, do not perform and contact your clinical instructor immediately.*

4. **Skills Test (100 points):** There will be skills competency testing twice during the semester on the dates indicated on the schedule. The specific skills that will be tested and a sign-up sheet will be posted in the lab prior to the skills test. The point system for skills testing is as follows:

   | Successful demonstration of skill on first attempt | 50 points |
   | Successful demonstration of skill on second attempt | 35 points |
   | Successful demonstration of skill on third attempt | 15 points |

A student who does not successfully pass skills testing on the first attempt must make an appointment to retake the examination within one week. If a student does not make up the skills test (or make an appointment) within a week, and/or cannot successfully pass skills testing after the third attempt will receive no points for that examination. The student will be counseled and a team from the faculty will initiate an individual course of action. The team may include any of the following: the level coordinator, the academic nursing skills specialist, program chair, and/or the student’s clinical instructor.

**Nursing Skills Test Information:** Nursing skills testing occurs twice in a semester during a practice lab. Students prepare for the nursing skills test during regular lab and open lab ours. You may use N109 hours for this purpose.

Students must be available for the full N26 (2) hour lab session time. An area will be designated for students to wait their turn to test, come no more than 20 minutes ahead of you appointed testing time. An instructor will call you into the testing area when it is your turn.

Students are to wear a lab jacket or uniform, closed toed shoes and hair back and secured. Students are to bring supplies from their nursing bags which may be new or used.
Each student demonstrates one skill chosen randomly from all practiced skills. Grading is according to critical elements found in the syllabus. The student receives a test scenario for the selected skill.

A student who does not successfully pass the first skill test should make the second attempt within a week. If a student does not make up skill testing (or make an appointment) within a week or cannot successfully pass a skill test after the third attempt, no points will be earned. The student is to meet with course faculty and initiates an individualized course of action. The team includes input from the Level Coordinator, Academic Nursing Skills Specialist and/or the student’s clinical instructor.

The student is given 20 minutes to perform the skill and may use the entire testing time to complete the skill. Once that time period has ended, the instructor stops the test. The student must complete the skill in the allotted time. Should the student identify an error, and if time allows, the student may correct the error and successfully complete the skill. An instructor may stop the test for multiple errors, or in the event of the student not being prepared.

Nursing faculty may test on any skill taught in the course and students will be notified in a timely manner to support preparation.

5. Final Grading Scale, Students must have a cumulative grade of a “C” to pass this course.

- **A** = 184 – 200
- **B** = 166 – 183
- **C** = 150 – 165
- **D** = 132 – 149 (Below 150 is not passing)
- **F** = Below 132

**Grade Calculation Worksheet**

**Part 1:**
Total points for weekly quizzes ______

**Part 2:**
Score of mid-term skills test ______

Score for final skills test ______

Total points from midterm + final skills tests: ______

**Total Points for Parts 1 & 2** ______
Laboratory activities: General Information

- Skills lab stations will be set up where students will practice the demonstrated skill:
  o Students will work in small groups to practice each skill until the student feels comfortable to give a return demonstration to the instructor.
  o Students will use the “critical elements” of the skill to critique each other.
  o Students will complete all activities assigned for the practice lab.
- Students are responsible for reading assignments and completing assigned modules prior to each class. Prior preparation is critical for active participation in this aspect of the nursing program.
- Students are responsible for bringing their nursing lab bags to lab each week.
- Skills lab is considered an extension of clinical. This means that the same safety and injury prevention precautions, professional appearance, and respectful behavior that are expected in clinical- are expected during lab.
- Open lab time is available for extra practice whether self or instructor referred. If the student needs to make-up a lab or remediate a lab skill, it is appropriate to do so during the open lab time posted on the door of the lab.
- Equipment is available in the lab and tubs with supplies not in the student nursing bags are available. Please bring you nursing bag with supplies to practice.

Additional Resources available in the lab for your use:
- Audio visual materials - VHS, CDs and DVDs
- Reference books
- Internet ready computers, word processing, printer capability and minor assistance
- In addition in the Collaborative Learning Center there are resources – books, computers, journals etc.

SAFETY FIRST & Prevention of Injury are paramount: Certain supplies and equipment may “not” leave the lab such as sharps (needles).

Also, students may not remove supplies from the hospital to take home and practice (even if offered by a well-meaning nurse). If the hospital would like to donate to the nursing lab please contact the Lab Coordinator.

Students in the nursing program may not practice registered nursing skills outside of faculty supervision in any setting.

For example, you may not insert an IV catheter in a willing participate to practice outside of faculty/program supervision. This may be construed as practicing nursing without a license and may be subject to disciplinary and/or legal action. Those with an active license, such as LVNs, may continue under their own license and scope of practice in their designated field. Be mindful. If you have any questions about this, please ask your faculty.
The nursing faculty have the authority to determine the level of supervision any student in their course requires given student ability and environmental/patient factors.
Open Practice Lab

Practice is encouraged and advised in order to have the ability to successfully perform in the clinical setting those skills taught and practiced during skills lab. The lab is available at varying times for extra practice (Open Practice Lab time). The student works either independently or with the help of the Academic Nursing Skills Specialist or the LIA. A student may utilize the lab for a self-identified need, or an instructor may refer a student for remediation. If the student needs to make up a lab or remediate a lab skill, it is appropriate to do that during the Open Practice Lab time. Each semester the current Open Practice Lab hours will be posted on the skills lab doors. Students are encouraged to register for N109, which is an opportunity to receive units (pass/no pass) while spending time in the lab building skills capability. See the Academic Nursing Skills Specialist for more information, a description, and the grading criteria.