



MAR 31 1999

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline **Part A**

School of Health Sciences

Program: Nursing

Option:

NURS 2020**Clinical Techniques 2 – Laboratory**

Hours/Week:	3	Total Hours:	51	Term/Level:	2
Lecture:	1	Total Weeks:	17	Credits:	3.5
Lab:	2				
Other:					

Prerequisites**NURS 2020 is a Prerequisite for:**

Course No.	Course Name	Course No.	Course Name
NURS 1020	Clinical Techniques 1	NURS 3020	Clinical Techniques 3

Course Goals

This course facilitates student learning of hands-on nursing skills used in professional nursing practice.

Course Description

This laboratory course presents nursing skills related to relaxation therapies, surgical asepsis, wound care, injections, intravenous therapy, intravenous medications via mainbags and minibags, intravenous pumps, suprapubic catheters, colostomy care and bladder irrigations. Emphasis is placed on: student understanding regarding the purpose of the skill, focused assessment related to the skill and safe, confident demonstration of the skill. The communication and research aspects of skills are included. Student independent and laboratory practice, demonstrations and examinations are part of the course.

Evaluation

Multiple Choice exam	50%
Skill Demonstration	30%
Assignment	20%
TOTAL	100%

All evaluation strategies must be completed to pass this course.

The **final exam must be passed** to pass this course.

Course Outcomes and Sub-Outcomes

The student will:


1. Describe the purpose of the skill to the patient.
2. Describe the safety principles for all hands-on nursing skills.
3. Prepare a focused assessment of the patient related to the skill.
4. Demonstrate selected skills safely and confidently while maintaining patient comfort.
5. Demonstrate the communication aspects of hands-on nursing skills.
6. Demonstrate responsibility for attaining and maintaining a safe level of skill performance.
7. Plan patient teaching related to the skill.
8. Think and reflect about nursing skill by:
 - appreciating the research base
 - recognizing real and potential risks associated with the skills
 - making judgments about the skill considering the context.

This course facilitates student growth in relation to these graduate outcomes:

- **Leadership** — decision making, risk management, priority setting, collaboration with other Health Care professionals.
- **Communication** — patient teaching, appropriate documentation related to skills incorporating relevant vocabulary.
- **Systematic Inquiry** — increased awareness of relevant research related to skill performance, use of a variety of sources to understand what evidence supports skill protocols, questioning and reflection about clinical techniques.
- **Professionalism** — recognizing necessity to use sound assessment and clinical judgment in relation to skill performance, accountability in carrying out skills safely while considering contextual and individual needs.
- **Learning** — individual responsibility related to how skills are learned, practiced and demonstrated.

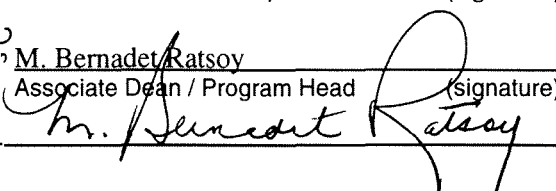
Course Record

This course outline is current and accurate and complies with BCIT Policy 5013: Course Outlines.

Developed by: Anne Houseman  Date: December 4, 1996
Instructor Name and Department (signature)

Revised by: Zweleky Dues (Wurning) Date: June 12, 1998
Instructor Name and Department (signature)

Approved by: M. Bernadet Ratsoy Start Date: January 6, 1997
Associate Dean / Program Head (signature)





BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline **Part B**

School of Health Sciences

Program: Nursing

Option:

NURS 2020

Clinical Techniques 2 – Laboratory

Effective Date

August 17, 1998

Instructor(s)

Bev Lawes

Office No.: SW 12 418

Phone: 432-8788

Office Hrs.: See posted hours at instructor's office.

Text(s) and Equipment

Recommended:

Snyder, M. (1992). *Independent nursing interventions* (2nd ed.). Albany, New York: Delmar.

One of the following Nursing Fundamentals Textbooks:

Dugas, B.W. & Knor, E.R. (1995). *Nursing foundations: A Canadian perspective*. Scarborough, Ontario: Appleton & Lange, Canada.

Kerr, J.R. & Sirotnik, M. (Eds.) (1997). *Potter & Perry Canadian fundamentals of nursing*. St Louis: Mosby.

One of the following Skills Textbooks:

Ellis, J.R., Nowlis, E A., & Bentz, P.M. (1996). *Modules for basic nursing skills, Volume II* (6th ed.). Philadelphia: Lippincott Co.

Elkin, M.K., Perry, A.G. & Potter, P.A. (1996). *Nursing interventions and clinical skills*. Toronto: Mosby. (This text is recommended for NURS 3020 — The term IV Clinical Techniques Course.)

One of the following Medical-Surgical Textbooks:

LeMone, P. & Burke, L.M. (1996). *Medical-surgical nursing: Critical thinking in client care*. Menlo Park, CA: Addison Wesley.

Smeltzer, S.C. & Bare, B.C. (1996). *Brunner & Suddarth's textbook of medical-surgical nursing* (8th ed.). Philadelphia: Lippincott.

One of the following Mathematics for Medications Textbooks:

Henke, G. (1995). *Med-math: Dosage calculation, preparation and administration* (2nd ed.). Philadelphia: J.B. Lippincott Co.

Gray, D. (1994). *Calculate with confidence*. St. Louis, MO: Mosby Year Book.

Equipment: watch with a second hand
stethoscope
tape measure
penlight

Course Notes (Policies and Procedures)

1. Course delivery and evaluation methods will be discussed during the first week of the class.
2. Selected clinical techniques will be self-taught with testing during laboratory periods. Other techniques will be practiced during laboratory periods and tested at specific times on the class schedule. These are noted on the schedule.
3. Unforeseeable circumstances may necessitate the alteration of course content, sequencing, timing or evaluation. As much as possible, students will be given adequate notice of such changes.

Participation/Attendance

1. Regular attendance in theory class and practice laboratory is expected. Students may be recommended for a failing grade if absent for more than 10% of the time. (Refer to BCIT Policy 5201.)
2. Students are responsible for the content of a missed class.

Assignment Details

1. The **multiple choice exam** will be given during examination week.
2. **Skill testing** weeks are noted on the schedule. Students will be tested on **IV troubleshooting**. Testing will be graded satisfactory/unsatisfactory according to criteria on a checklist that students will see prior to the test. *If the first demonstration is satisfactory the student is awarded 30%.* One opportunity to retake this test will be offered. If the second demonstration is satisfactory the student is awarded 15%. **If neither the first nor second demonstration is satisfactory the student will receive 0%.**

3. **Assignment:**

Students are expected to work in groups of 3 on this assignment. This assignment is worth 20% of the total final mark. The assignment is a **pamphlet** related to the following:

- Patient teaching that relates to the content in this course.

Suggested topics are:

- preoperative teaching
 - general, in-hospital
 - preoperative preparation at home
- postoperative teaching
- patient teaching after foley catheter removal
- ileostomy
- colostomy
- ileal conduit
- how to change an ostomy appliance
- teaching patient how to self-inject dalteparin or insulin
- teaching patient how to care for an indwelling catheter at home
- relaxation
 - guided imagery
 - progressive relaxation
 - other
- patient teaching about hemovac care at home
- patient teaching about bladder training with a suprapubic catheter

Expectations regarding this assignment:

The following guidelines apply:

- The information on the pamphlet needs to be correct, easy to read and understand, referenced, sufficient to cover the topic and the essential information the patient needs to know.
- Creativity is encouraged. Decisions need to be made on how to condense the information using lists, charts, tables, pictures and prose. The pamphlet needs to be visually appealing.
- Students are expected to verbally summarize the teaching and answer questions about it during the class session.

- Students are expected to explain their use of the theory about the teaching–learning process in decision making during production of the teaching pamphlet.
- The assignment will be awarded the 20% based on the pamphlet and on the students' ability to summarize, condense and communicate the information clearly during class.

Due date for the assignment: By 0930 Hours Tuesday of Week 16.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Nursing

Option:

Schedule

NURS 2020

Clinical Techniques 2 – Laboratory

Week of/ Number	Material Covered	Reading required for class. Focus reading on material to be covered	Video Review	Due Date
Week 1	<p>Introduction and review of course outline.</p> <p>Surgical Asepsis:</p> <ul style="list-style-type: none"> • principles of surgical asepsis • hand washing • applying and removing a mask • open gloving <p><i>Application of surgical asepsis principles to a task in class.</i></p>		<p>View in class:</p> <p>BCIT – June 1993</p> <ul style="list-style-type: none"> • Hand washing • Masking • Gloving 	
Week 2	<p>In class practice with situations that require:</p> <ul style="list-style-type: none"> • pre-op teaching • post-op assessment 	<p>Required reading:</p> <p>Any recommended Fundamentals of Nursing textbook or Skills textbook.</p>	<p>View in class:</p> <p>BCIT VC 5507 – Assessing the patient with post-abdominal surgery</p> <p>BCIT VC 5591 – Hip Replacement</p>	
Week 3	<p>Relaxation therapies:</p> <ul style="list-style-type: none"> • progressive relaxation • breathing • guided imagery (visualization to promote relaxation) 	<p>Required reading:</p> <p>Snyder, M. (1992). Independent Nursing Interventions (2nd ed.). Albany, New York: Delmar.</p>		

Week of/ Number	Material Covered	Reading required for class. Focus reading on material to be covered	Video Review	Due Date
Week 4	<p>Injections</p> <ul style="list-style-type: none"> parenteral equipment factors that affect choice of equipment preparation techniques <p>Students will come to practice labs prepared to demonstrate drawing up medication from ampoules and vials.</p>	<p>Required reading:</p> <p>Any recommended Fundamentals of Nursing textbook or Skills textbook.</p> <p>Self study guide.</p>	<p>View before class:</p> <p>BCIT 1992 and 1996 Preparation of injectable meds</p> <p>View in class:</p> <p>BCIT VC 3702 Sharps Safety: A matter of survival</p>	
Week 5	<p>Review medication preparation techniques.</p> <p>Administering injections:</p> <ul style="list-style-type: none"> injection sites factors that affect choice of site subcutaneous injections intra dermal injections intramuscular injections Z-track intramuscular injection patient teaching required documentation <p><i>In class practice:</i> <i>Siting for subcutaneous, intradermal and intramuscular injection.</i> <i>Giving subcutaneous and intradermal injections.</i></p>	<p>Required reading:</p> <p>Any recommended Fundamentals of Nursing textbook or Skills textbook.</p> <p>Math for Meds book regarding calculation of dosages for injections.</p> <p>Required written work:</p> <p>Complete math calculation test <i>before class to self-test your learning.</i></p>	<p>View in class:</p> <p>BCIT 1992 Subcutaneous Injections; BCIT 1986 Intradermal Injections; Foothills 1988 Mapping the Ventrogluteal Site; BCIT 1986 Intramuscular, Dorsal Gluteal Site</p>	

Week of/ Number	Material Covered	Reading required for class. Focus reading on material to be covered	Video Review	Due Date
Week 6	Wound Care Part 1 Sterile dressing change: <ul style="list-style-type: none"> • purpose of wound cleansing • choosing a cleansing solution • choosing dressing materials • assessment pre, during and post dressing • comfort measures • patient teaching • documentation • method of changing a dressing <i>In class practice on dolls</i>	Required reading: Any recommended Fundamental of Nursing textbook or Skills textbook.	View in class: BCIT 1986 Opening sterile packages and adding items to a sterile field BCIT 1989 Changing a simple dressing with a penrose drain	
Week 7	IV Part 1 Intravenous therapy: <ul style="list-style-type: none"> • purpose • types of solutions • equipment involved • assessment of an infusing intravenous • calculating and regulating drip rate, including rate adjustment • monitoring intravenous infusions • discontinuing an intravenous • documentation <i>Practice in class</i>	Required reading: Any recommended Fundamentals of Nursing textbook or Skills textbook. Math for Meds book regarding calculation of intravenous drip rates. Required written work: Complete math calculation test <i>before class to self-test learning.</i>	View in class: BCIT 1985 & 1994 – Intravenous Therapy	

Week of/ Number	Material Covered	Reading required for class. Focus reading on material to be covered	Video Review	Due Date
<u>Week 8</u>	Wound Care Part 2 Wound drains: shortening and removal <ul style="list-style-type: none"> • purpose of drains • related assessment • comfort measures • patient teaching • shortening a penrose drain • suture and staple removal • tube management e.g., t- tube, closed drain and penrose drain • removal of drains • collecting a wound specimen • documentation <i>Practice on dolls</i>	Required reading: Any recommended Fundamentals of Nursing textbook or Skills textbook.	View in class: BCIT 1989 Shortening a penrose drain and removal of a closed drain BCIT 1991 Suture, staple and clip removal	
Week 9	IV Part 2 Intravenous tubing priming and tubing change Intravenous therapy – Troubleshooting <ul style="list-style-type: none"> • kinked tubing • positional intravenous • drip chamber flooding • leaking intravenous site • air bubbles in tubing • stopped intravenous infusion • pain • infiltration • phlebitis • circulatory overload • documentation 	Required reading: Any recommended Fundamentals of Nursing textbook or Skills textbook.	View in class: BCIT 1996 Priming intravenous tubing and changing the tubing BCIT 1996 Intravenous Troubleshooting	
Week 10	Practice Lab			

Week of/ Number	Material Covered	Reading required for class. Focus reading on material to be covered	Video Review	Due Date
Week 11	IV Part 3 IV Medications <ul style="list-style-type: none"> • assessment considerations • safety considerations • equipment required • factors to consider related to compatibility • method of preparing an intravenous medication in a main bag • method of preparing an intravenous medication in a minibag • use of a reconstitution device • adding minibag to continuous intravenous • documentation 	Required reading: Any recommended Fundamentals of Nursing textbook or Skills textbook. Math for Meds textbook regarding calculations relating to administering medications intravenously.	Review in class: Selkirk College – Nursing for the 90s – Administration of IV Medications BCIT 1997 <ul style="list-style-type: none"> • reconstitution of powdered medications • add a line and minibag to a continuous intravenous • incompatibilities 	
Week 12	Urinary Tract Procedures Urinary catheters: <ul style="list-style-type: none"> • care related to urinary catheters • irrigation of catheters • collecting a sterile specimen • catheter removal • continuous bladder irrigation • documentation <i>Practice on dolls</i>	Required reading: Any recommended Fundamentals of Nursing textbook or Skills textbook.	View in class: BCIT 1991 Bladder Irrigation/Continuous Bladder Irrigation BCIT 1985 Catheter care – Sterile specimen collection	

Week of/ Number	Material Covered	Reading required for class. Focus reading on material to be covered	Video Review	Due Date
Week 13	<p>Ostomy care:</p> <ul style="list-style-type: none"> • type and variety of ostomies • use of appliances • skin care • irrigation • assessment • documentation • patient teaching • referral <p>Guest lecturer and laboratory practice</p>	<p>Required reading:</p> <p>Any recommended Fundamentals of Nursing textbook or Skills textbook.</p>		
Week 14	<p>IV Part 4</p> <p>Electronic infusion devices</p> <ul style="list-style-type: none"> • how to use an electronic infusion device • use of electronic infusion device for infusing medication • documentation <p>Students will come to class prepared to demonstrate these skills</p>	<p>Required reading:</p> <p>Any recommended Fundamentals of Nursing textbook or Skills textbook.</p> <p>Self study guide.</p>	<p>View before class:</p> <ul style="list-style-type: none"> • FloGard 6201 • In-service BV240 Baxter • IVAC Variable Pressure Volumetric Pump Model 570 	
Week 15	<p>Skill Testing 0830 – 1130 and 1230 – 1430</p>			
Week 16	<p>Skill Testing Poster Presentation 0830 – 0930 1000 – 1230</p>			<p>Poster due on Tuesday morning by 0930 hours.</p>
Week 17	<p>Exam Week — Multiple Choice Exam</p>			