



A POLYTECHNIC INSTITUTION

School of Health Sciences

Program: Bachelor of Technology in Nursing

Option:

NURS 1019**Clinical Techniques — Introduction to Assessment****Start Date:** August, 2002**End Date:** September, 2002**Total Hours:** 50 **Total Weeks:** 5**Term/Level:** 1 **Course Credits:** 3.5**Hours/Week:** **Lecture:** **Lab:****Shop:** **Seminar:** **Other:****Prerequisites****NURS 1019 is a Prerequisite for:****Course No. Course Name****Course No. Course Name**

NURS 1030 Nursing Practicum 1

■ Course Description (required)

This course presents essential behaviors for conducting psychosocial and physical assessment. It includes techniques for taking a health history in order to identify health needs. Opportunity for practice and demonstration of learned skills is provided.

■ Detailed Course Description (optional)

NURS 1019 provides a basis for understanding and conducting a physical examination and health assessment. The aim is to develop the student's beginning ability to take a health history and conduct psychosocial and physical assessments.

■ Evaluation

1. Analysis of Assessment Data: Practicum Assignment.	20%	All assignments must be completed for a passing grade.
Three written assignments based on assessments done in practicum in Weeks 2, 3 & 4 are required.		
2. Demonstration of Assessment Skills	30%	
3. Multiple Choice Exam	50%	
TOTAL	100%	

■ Course Learning Outcomes/Competencies

Upon successful completion, the student will be able to:

1. recognize the difference between a comprehensive and focused assessment and when these are used.
2. demonstrate correct assessment techniques during physical and psychosocial assessment with the aim of recognizing normal findings.
3. begin to recognize significant patterns in assessed data.
4. begin to relate assessment findings to nursing action.
5. demonstrate ability to communicate assessment findings in a professional manner.
6. begin to recognize how to individualize health status assessment based on development and cultural needs.

■ Process Learning Threads

Professionalism: With assistance, students develop an understanding of assessment as a foundation of professional practice. They are accountable for developing assessment guides and strategies for use in the clinical portion of the course.

Communication: Students begin to establish relationships with clients based on shared meaning and partnership. They begin to validate assessment findings and health issues with the patients. They begin to document assessments in assignments and charts.

Systematic Inquiry: Students begin to reason critically about assessment data and patient concerns. They begin to appreciate that health issues can be perceived from multiple perspectives.

Professional Growth: Students take responsibility for their learning and for preparing material assessment guides that are accurate and relevant. They demonstrate responsibility for attaining and maintaining a safe level of skill performance. They are responsible and accountable for their actions.

Creative Leadership: Students are becoming assertive with clients and colleagues as they learn assessment skills. They learn to explain their role to health colleagues and patients.


Technical Skills: Students demonstrate correct assessment techniques during physical and psychosocial assessment to recognize normal findings and significant patterns of illness.

The specific skills included are:

- the health assessment process.
- the health history, self-care and wellness, growth and development, cultural assessment.
- physical assessment – the general survey – measurement of temperature, pulse, respiration, blood pressure, height and weight.
- body review – skin, head, neurological system and mental status.
- respiratory, cardiovascular, peripheral vascular and lymphatic assessment.
- heart and chest sounds.
- assessment of abdomen, urinary, and musculoskeletal systems.
- assessment of breast and external male and female genitalia on mannequins.


■ Verification

I verify that the content of this course outline is current.


Authoring Instructor

June 4, 2002
Date

I verify that this course outline has been reviewed.


Program Head/Chief Instructor

June 04, 2002
Date

I verify that this course outline complies with BCIT policy.


Dean/Associate Dean

June 12/02
Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.

■ **Instructor(s)**

Level 1 Instructors	Office Location: SE 12 418	Office Phone:	Joyce Thibodeau	TBA
	Office Hrs.: See posted hours at		Jenifer Bartlett	451-6952
	instructor's office		Fairleth McCuaig	451-6956
			Connie Johnston	451-6946
			Susan Rowe-Sleeman	432-8908
			Cristina Durana	TBA

■ **Learning Resources**

Required:

Jarvis, C. 2000. *Physical examination and health assessment*. (3rd ed.). Philadelphia, PA: W.B. Saunders.

Supplemental:

The following textbooks are compulsory for other courses but will be used as a supplement to NURS 1019.

1. A nursing fundamentals text.

Kerr, J., & Sirotnik, M. (Eds.) (1997). *Canadian fundamentals of nursing*. Toronto, ON: Mosby — Yearbook Inc.

OR

DuGas, B.W., Esson, L., & Ronaldson, S.E. (1999). *Nursing foundations: A Canadian perspective*, 2nd ed.). Scarborough, ON: Prentice Hall Canada Inc.

2. A medical-surgical nursing text.

Black, J.M., & Matassarin-Jacobs, E. (1997). *Medical-surgical nursing: Clinical management for continuity of care* (5th ed.). Philadelphia: Saunders.

Phipps, W. J., Sands, J. K., & Marek, J. F. (1999). *Medical-surgical nursing: Concepts & clinical practice* (6th ed.) St. Louis: Mosby.

3. A medical dictionary.

Video Tapes:

The numbers in the omit sections refer to the approximate time, in minutes and seconds, these sections appear on the tape. The numbers on the far right refer to the total running time of the tape.

VC 5433	Examination Techniques — (will be shown in class)	15 mins.
VC 5434	The General Survey	10 mins.
VC 5435	Skin, Hair and Nails — (view all of tape)	15 mins.
VC 5437	Head and Neck Omit: Salivary glands 1.40–2.03; Trachea and thyroid position 3.02–3.27; Palpating the thyroid 4.25–5.57	10 mins.
VC 5438	Eyes Omit: Cranial nerves 6.24–7.01; Cardinal fields of gaze, cornea reflex, cover and uncover test and use of ophthalmoscope 7.55 to end	14 mins.
VC 5439	Ears Omit: Use of otoscope 3.07–5.10; Weber, Rinne and Schwabach tests 6.56 to end	11 mins.
VC 5440	Nose, Mouth and Pharynx Omit: View nasal cavity 4.05–4.55	11 mins.
VC 5450	Neurological System: Mental Status, etc. View the Mental Status section only	18 mins.
VC 3507	*Physical Assessment Heart and Lungs; Part 2 This is lung assessment only. (view all of tape) *Not necessary at this time. May be viewed in later terms. A simpler video will be used.	28 mins.
VC 5442	Heart Omit: Palpation of chest and cardiac border 3.34–6.09. Auscultating Chest S2, unexpected splitting 10.42–12.00. Pathological S3 and S4 12.50–15.00	21 mins.
VC 5443	Vascular System Omit: Jugular veins and Bruits 7.50–11.10	16 mins.
VC 5434	The General Survey (view vitals signs only)	
VC 5445	Abdomen Omit: Vascular sounds and friction rub 7.20–9.40; Percuss liver, spleen and air bubble 11.10–12.40; Palpate liver, spleen, kidney, pulsations, rebound tenderness and reflexes 13.55–18.10	19 mins.
VC 5448	Musculoskeletal System (view all of tape)	28 mins.

Equipment: 1 watch with second hand
1 good quality stethoscope*
pen light
1 good quality hand held audio tape recorder and tapes (this may be borrowed from the lab at BCIT)

* a good quality stethoscope will have the following characteristics:

- Diaphragm and bell are heavy enough to lie firmly on the body surface.
- Tubing is thick, stiff and heavy.
- Length of tubing is between 12 to 18 inches.
- Ear pieces fit snugly and comfortably.
- Angled binaurals point the ear pieces toward the nose.

* ***Try different stethoscopes before you purchase one.***

■ Information for Students

1. This course has been designed to develop your ability to ***talk with*** (interview) patients about their health and health concerns and to conduct an effective but ***very basic*** physical examination of body systems. Emphasis will be placed on developing assessment skills ***while*** establishing partnerships with patients. Attention to the communication aspect of the nurse's role will be continually reinforced and form part of the evaluation process.
2. This course will be delivered in both the classroom and practicum setting (Acute and Subacute Medicine). In these settings, students will work in small groups (approximately 8 students with 1 nursing instructor).
3. In the classroom students will participate in a variety of structured learning activities aimed at developing assessment knowledge and skills. During practicum experiences students will be assigned patients to interview and to conduct basic physical examinations. It is expected that students will ***actively*** participate in both the classroom and the practicum setting.
4. This course is of short duration. Therefore, students **must complete aspects of this course independently**. You will receive a schedule for all required independent study. Independent learning activities include reading, viewing videos and completing written assignments.

Assignments: Late assignments, lab reports or projects will **not** be accepted for marking. Assignments must be done on an individual basis unless otherwise specified by the instructor.

Makeup Tests, Exams or Quizzes: There will be **no** makeup tests, exams or quizzes. If you miss a test, exam or quiz, you will receive zero marks. Exceptions may be made for **documented** medical reasons or extenuating circumstances. In such a case, it is the responsibility of the student to inform the instructor **immediately**.

Ethics: BCIT assumes that all students attending the Institute will follow a high standard of ethics. Incidents of cheating or plagiarism may, therefore, result in a grade of zero for the assignment, quiz, test, exam, or project for all parties involved and/or expulsion from the course.

Attendance: The attendance policy as outlined in the current BCIT Calendar will be enforced. Attendance will be taken at the beginning of each session. Students not present at that time will be recorded as absent. **Regular attendance in lecture, seminars and laboratory periods is required of all students.** If a student is absent for any cause other than illness for more than ten percent (10%) of the time prescribed for any subject, he/she ***may be prohibited*** from completing the course (4.07, 10 BCIT Policy Manual). If a class or practicum experience is missed the student is responsible for the missed content.

■ Information for Students (cont'd.)

Illness: A doctor's note is required for any illness causing you to miss assignments, quizzes, tests, projects, or exam. At the discretion of the instructor, you may complete the work missed or have the work prorated.

Attempts: Students must successfully complete a course within a maximum of three attempts at the course. Students with two attempts in a single course will be allowed to repeat the course only upon special written permission from the Associate Dean. Students who have not successfully completed a course within three attempts will not be eligible to graduate from the appropriate program.

Course Outline Changes: The material or schedule specified in this course outline may be changed by the instructor. If changes are required, they will be announced in class.

■ Clinical Techniques – Assessment: Course Failure

A student who is unsatisfactory in the assessment course will be removed from the Nursing Practicum 1 – NURS 1030.

■ Written Assignment Details

(Weeks 2, 3 and 4)

Analysis of Assessment Data: Practicum Assignment

Preamble

The assessment process involves the simultaneous enactment of two interrelated processes: data gathering and diagnostic reasoning. In other words, before, during and following the process of data collection nurses engage in the critical thinking process of diagnostic reasoning (analysis and synthesis of data). This process is crucial to the accurate identification of patient concerns, problems, issues, evaluation of outcomes and in the making of appropriate clinical judgements. It is also part of the assessment phase of the nursing process. This assignment is done weekly in weeks 2, 3 and 4 and is based on assessments completed on assigned patients in practicum areas.

Purpose of this Assignment

The purpose of the assignment is to assist students to develop knowledge and skill in the analysis and synthesis of assessment data by analyzing and synthesizing assessment data collected during their practicum experience with assigned patients.

How to do this Assignment

1. The process of analysis and synthesis (diagnostic reasoning) may be a new experience for you or a familiar one but in a new context. To accommodate for these differences in experience this assignment is set up as a **walk through the process**. You will analyze patient data by responding to a series of questions. Answer these questions thoroughly and to the best of your ability.
2. The analysis of data is a recurring, ongoing process during the assessment phase and therefore should be repeated many times during the data collection process. In each assignment you will analyze data before, during and following collection of assessment data.
3. These assignments are to help you *develop* knowledge and skill in the analysis and synthesis of assessment data. They are not a test of your ability to enact these processes. You are therefore encouraged to work in collaboration with classmates, instructors and other health care professionals to assist you in this learning process.

4. You will not be graded on these assignments. You will be awarded 20 marks (20%) toward your final grade for completing the **three** assignments during weeks two, three and four. The third assignment must be satisfactory in order to receive the 20 marks. *If the third assignment is unsatisfactory, a fourth assignment may be negotiated with your practicum instructor. A satisfactory fourth assignment will receive 10 marks. These assignments are due on the day stated by your practicum instructor. You may ask for an extension, but a specific date for the submission of the assignment must be set. Late assignments or those submitted past the negotiated date will not receive a grade.
5. Practicum instructors may ask you to answer additional questions to assist you in the analysis process. Try not to think of these as extra work but as helping you to more fully develop your reasoning skills so that you will make more appropriate and accurate nursing judgements about a patient's health status.
6. Be sure to hand in your assessment findings with your analysis. Assessment finding include: physical and interview data; clustered data; and identification of patient problems.

Analysis of Assessment Data: Questions

1. Prior to going to the hospital

- Before you even met with your patient did you receive information from your instructor or other health care professionals that you thought was a **cue***?
- If so, what was that **cue(s)** and what action did you initiate as a result of this **cue**?
- Did you make any **inferences**** about your assigned patient when you received this information?
- If so, what were those inferences?
- How did they influence how you proceeded with your assessment of the patient?

* A **cue** is a piece of information that signals the nurse to take some action in the assessment process. For example actions taken could be: a decision to collect more data, a decision to compare data collected with existing norms, a decision to do more research, a decision to seek assistance or immediate help because the "**cue**" alerts you to an existing or pending emergency situation.

** An **inference** is a step of the mind, an intellectual act by which one concludes that something is so in light of something else's being so, or seeming to be so (Paul, 1992, p. 651).

2. Immediately after you have assessed your patient

Answer the following questions immediately after you have assessed your patient's health status.

- While you conducted your health assessments were you aware of any information "**cues**" that signaled you to take a course of action?
- If so, describe the course of action you took.
- What were those pieces of information?
- Did some of these pieces of information seem to fit together (as in a pattern)?
- What inferences about your patient's health status did you make, based on those emerging patterns?
- Did you discover if your inferences were correct?
- If so, briefly describe how you validated your inferences.
- If you did not validate them (in some way) what do you think stopped you or interfered with this process? (Lack of confidence? Lack of knowledge?)
- Did you not know how you were to do it?

3. *Following your hospital experience*

Now that you have collected a substantial amount of assessment data it is suggested you review all of the data to get a sense of the “*whole*” and any patterns emerging.

Answer the following questions when you have collected a substantial amount of assessment data, e.g., when you get home from your practicum experiences.

- What pieces of information seem to fit together now?
- Write these down organizing them into clusters of information.
- What inferences can you make about these clusters of information?
- Are these inferences different from your initial inferences you made while you were actually involved in the assessment process with your patient?
- If they are different, how do you account for these differences?
- How will you find out if your current inferences are correct?
- If your current inferences do not seem valid, what do you think you need to do?
- What data seems to be missing?
- How will you gain additional data?

4. *Conclude with a nursing diagnosis*

If you are confident your inferences are correct or valid, formulate some tentative conclusions. These conclusions can be expressed as a patient concern, a patient issue, a clinical judgement, a nursing diagnosis or a positive outcome.

5. *Journalling*

Complete each assignment by reflecting on the process of data collection, analysis and synthesis. Record your thoughts and feelings about the experience and consider what you could do to improve your assessment and analysis skills in practicum.

Now that you have worked through this diagnostic reasoning process and have arrived at some conclusions you *may* be ready to proceed to the next step in the nursing process which is to decide on appropriate nursing interventions. During your practicum experiences you may be expected to use this process in the planning of nursing care.

■ **Demonstration of Assessment Skills**

Demonstration of assessment skill is worth 30% of your final grade.. Your demonstration of specific skills will be graded satisfactory/unsatisfactory according to criteria on a checklist which you will see prior to the test. If you meet all criteria, you will receive a satisfactory and be granted 30 marks (30%) of your final grade. You will have one opportunity to retake this test using one of the other scenarios. If the second demonstration is satisfactory you will be awarded 15%. However, if your second demonstration is unsatisfactory, you will receive an unsatisfactory grade for NURS 1019 and will be withdrawn from NURS 1030.

For all skills demonstration tests, you will be asked to perform a focused interview and physical exam of one body system, e.g., respiratory. You will also conduct an interview of one section of the health assessment, e.g., health history.

Schedule

Date	Material Covered	Course Site and Rooms
Aug. 20, 2002	WEEK 1 Tuesday Common hour Introduction to NURS 1019 <ul style="list-style-type: none"> • course delivery methods • course outline • overview of the course Group work Assessment for Health and Illness <ul style="list-style-type: none"> • purpose of assessment • types of assessment • health assessment and the nursing process • critical thinking and the diagnostic reasoning process Establishment of partnerships Reading: Chapters 1, 26 and 27. *Please note that your small group rooms are not the same each week.	Common Hour (all students) BCIT (Aug. 20) 0830–1020 SE12–202 Group Work (Aug. 20) 1030–1230 Fairleth SW1 2125 Jenifer SW1 2590 Susan SW1 2004 Connie SW1 3585 Joyce SW1 3570 Cristina SW1 3590
Aug. 21, 2002	Wednesday Common hour Introduction to Basic Interviewing Skills Reading: Chapter 4 Group work Assessment of the Whole Person <ul style="list-style-type: none"> • Assessment of Developmental Tasks • Transcultural Considerations • Complete Health History • Mental Status Assessment • Nutritional Assessment Reading: Chapters 2, 3, 5, 6 and 7	Common Hour BCIT (Aug. 21) 0830–0930 SE12–202 Group Work (Aug. 21) 0930–1230 Fairleth SW1 2004 Jenifer SW1 2125 Susan SW1 2590 Connie SW1 3585 Joyce SW1 3570 Cristina SW1 3590 1330–1530 Fairleth SW1 2004 Jenifer SW1 2125 Susan SW1 2590 Connie SW1 3585 Joyce SW1 3570 Cristina SW1 3590

Date	Material Covered	Course Site and Rooms
Aug. 27, 2002 and Aug. 28, 2002 Common hour	WEEK 2 Tuesday and Wednesday Introduction to physical examination techniques <ul style="list-style-type: none"> inspection, palpation, percussion, auscultation video on examination techniques Reading: Chapter 8	(Aug. 27) Tuesday: Common Hour BCIT 0830–0930 SE12–202
Group work	<i>Practice</i> Physical Examination Assessment Techniques <ul style="list-style-type: none"> General Survey – Measurement of Height and Weight Assessment of Skin, Hair and Nails Assessment of Head and Neck Assessment of Eyes, Ears, Mouth and Throat Assessment of Neurologic System Reading: Chapters 9, 10, 11, 12, 13, 14 and 21	Group Work (Aug. 27) Tuesday: Group Work 0930–1130 Fairleth SW1 2004 Susan SW1 2125 Connie SW1 2590 Joyce SW1 3585 Cristina SW1 3570 1230–1430 Fairleth SW1 2004 Susan SW1 2125 Connie SW1 2590 Joyce SW1 3585 Cristina SW1 3570 Tuesday: Practicum 1100–1600 Jenifer LGH
Practicum	<i>Patient assignment to achieve the following:</i> <ul style="list-style-type: none"> establishment of a partnership with patient initiation of an interview assessment of developmental tasks complete health history completion of a general survey mental status assessment nutritional assessment Hand in a written summary of this assessment.	(Aug. 28) Wednesday: Group Work 1130–1530 Jenifer SE12 417 Wednesday: Practicum (times as per area) Fairleth BGH Susan BGH Connie LGH Joyce LGH Cristina MSJ

Date	Material Covered	Course Site and Rooms
Sept. 3, 2002 and Sept. 4, 2002	WEEK 3	(Sept. 3)
Common hour	Tuesday and Wednesday Thorax and Lungs, Heart and Neck Vessels Review location and types of breath sounds <ul style="list-style-type: none"> • bronchial, bronchovesicular, vesicular • adventitious sounds (crackles and wheezes) Video <ul style="list-style-type: none"> • landmarking for breath sounds • listening for breath sounds Reading: Chapter 16	Tuesday: Common Hour BCIT 0830–0930 SE12–202
Group work	<i>Practice</i> Assessment of Thorax and Lungs <ul style="list-style-type: none"> • landmarking and listening for breath sounds Assessment of Heart and Neck Vessels <ul style="list-style-type: none"> • landmarking and listening for apical rate • temperature, pulse, respiration and blood pressure Assessment of the Peripheral Vascular System and Lymphatic System Skill – T, P, R and blood pressure; auscultate for breath sounds and apical rate Prepare a written guide to assist you in your practice interview. Reading: Chapter 9, 17, and 18	Tuesday: Group Work (Sept. 3) 0930–1130 Fairleth Telephone Exchange SE9–102 Susan TBA Connie TBA Joyce TBA Cristina TBA 1230–1430 Fairleth Telephone Exchange SE9–102 Susan SE42 210 Connie SE42 200 Joyce SE42 230 Cristina SW1 3590
Practicum	<i>Patient assignment to achieve the following:</i> <ul style="list-style-type: none"> • establishment of a partnership with patient • expanding and improving accuracy of last week's assessment • assessment of Skin, Hair and Nails • assessment of Head and Neck (including eyes, ears, nose and throat) • assessment of Neurologic System • assessment of Thorax and Lungs • assessment of Heart and Neck Vessels • assessment of Peripheral Vascular System • assessment of Lymphatic System. Hand in a written summary of this assessment.	Tuesday: Practicum 1100–1600 Jenifer LGH Wednesday: Group Work 1130–1530 Jenifer SE12 417 Wednesday: Practicum Fairleth BHG Susan BGH Connie LGH Joyce LGH Cristina MSJ

Date	Material Covered	Course Site and Rooms
Sept. 10, 2002 and Sept. 11, 2002	WEEK 4 Tuesday and Wednesday Assessment of the Abdomen, Breasts and Regional Lymphatics Musculoskeletal System <ul style="list-style-type: none"> landmarking for abdominal sounds location of bladder for palpation video on self-breast examination (10 minutes) Multiple choice exam overview Reading: Chapter 15, 19 and 20	(Sept. 10) Tuesday: Common Hour BCIT 0830–0930 SE12–202 Tuesday: Group Work (Sept. 10) 0930–1130 Fairleth Library Room 312 Susan Townsquare D Connie SW2 301 Joyce SE12 421 Cristina SE12 422 1230–1430 Fairleth Library Room 312 Susan SE42 210 Connie SE42 200 Joyce SE42 230 Cristina SE42 3590 Tuesday Practicum 1100–1600 Jenifer LGH
Group work	<i>Practice</i> Assessment of the Abdomen <ul style="list-style-type: none"> auscultate for abdominal sounds Assessment of the Male and Female Genitalia <ul style="list-style-type: none"> focused interview palpate bladder practice breast examination on a model Assessment of Anus, Rectum and Prostate <ul style="list-style-type: none"> focused interview Assessment of the Musculoskeletal System <ul style="list-style-type: none"> test muscles and joints for strength, symmetry and ROM Reading: Chapters 22, 23 and 24	
Practicum	<i>Patient assignment to achieve the following:</i> <ul style="list-style-type: none"> establishment of a partnership with patient expanding and improving accuracy of last week's assessments assessment of Abdomen assessment of Male and Female Genitalia assessment of Musculoskeletal System assessment of Vital Signs. Hand in a written summary of this assessment.	Wednesday: Group Work 1130–1530 Jenifer SE12 417 Wednesday: Practicum Susan BGH Fairleth BGH Connie LGH Joyce LGH Cristina MSJ

Date	Material Covered	Course Site and Rooms
Sept. 17, 2002	WEEK 5 Tuesday and Wednesday	Sept. 17, 2002 Tuesday: Common Hour
Common hour	Final multiple choice exam	BCIT 0830–0930 SE12–202
Group work	Referral system Emergency assessments Observe doll with tube attachments (tube assessment) Preparation for evaluation of assessment skills Practice interviews Conduct selected return demonstration of assessment skills Final review of course; come prepared with suggestions Course evaluation	Tuesday: Group Work 0930–1130 Fairleth Townsquare A Jenifer Townsquare B Susan Townsquare D Connie Library Room 312 Joyce SE12 422 Cristina SE12 421 1230–1430 Fairleth SE42 210 Jenifer SE42 200 Susan SE42 230 Connie SW1 3590 Joyce SE12 422 Cristina Library Room 312
Practicum	Reading: Review Chapters 26 and 27 No practicum, Shinerama Sept. 18, 2002	
Feb. 14, 2002	WEEK 6 Thursday – Evaluation Day 0830–0920) 1030–1230) Test demonstration of assessment 1330–1530) A schedule for individual test demonstration will be posted.	SE12 416/417