SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: COMPUTERS IN HEALTH CARE I

CODE NO.:   MSTIOI   SEMESTER: 1

PROGRAM: MASSAGE THERAPY PROGRAM

AUTHOR: RUTH WILSON

DATE: SEPT/97   PREVIOUS OUTLINE DATED: SEPT/96

APPROVED: _____   _____ ^ **9/9 7**
                    DEAN   **DATE**

TOTAL CREDITS:

PREREQUISITE(S):   NONE

LENGTH OF COURSE: 2 HOURS/WEEK   TOTAL CREDIT HOURS: 16 HOURS
                                1 HOUR CLASSROOM
                                1 HOUR INDEPENDENT

COMPUTERS IN HEALTH CARE I   MSTIOI

    COURSE NAME   CODE NO,

    COURSE DESCRIPTION:

This course is intended to assist massage therapy students to become computer literate. It is designed to expand communication skills and to increase technological skills.

This computer opportunity is meant to increase the student's awareness of the use of computers in various sections of our society. Since the application of computing skills is necessary to today's health care worker, it will introduce students to computers and their use in health care areas.

LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

This module will outline basic computer terminology concepts, skills and applications to massage therapy. Upon successful completion of the course, the student will be able to:

A.   Learning Outcomes:

  1.   Demonstrate basic computer literacy skills.

  2.   Apply knowledge about types of computers and computer systems

  3.   Successfully use various computer software programs.

  4.   Discuss use of computers in massage therapy and health care.

B.   Elements of Performance:

Demonstrate basic computer literacy skills.

Potential elements of the performance:

a)   Classify and describe different types of computers and computer systems.

b)   Demonstrate basic computer skills and applications:
        - load/boot up a program
        - select from menu options
        - format a disk
        - exit main menu and toad alternate software package

c)   Explain basic computer concepts and terms.

IL   LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE: (Continued)

d)   Describe the role of hardware and software.

e)   Explain levels of computer hardware and software.

f)   Demonstrate safe and healthy work habits with computers.

2.   Apply knowledge about types of computers and computer systems.

Potential elements of the performance:

a)   Describe the data processing cycle:
        - identify 5 major components of a computer
        - state function of each component and discuss their interrelationship to the system

b)   List examples of where computers are used in society.

c)   Relate the system of input processing and output to each of the listed examples.

d)   Identify characteristics of computers which determine suitability for certain uses.

e)   Examine the feasibility of how and where a system can be used.

3.   Successfully use and evaluate various computer software programs.

Potential elements of the performance:

a]   Identify software packages that accomplish specific purposes:
        - MS DOS   - spread sheets
        - graphics   - data base management
        - word processing   - hospital information
        - self-directed learning   system
          packages

b)   Use Microsoft Word for wordprocessing:
        - create a file
        - save a file
        - print a file
        - exit a file
        - retrieve files
        - list files

COMPUTERS IN HEALTH CARE 1   MSTIOI

      COURSE NAME   CODE NO.

II.   **LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE: (Continued)**

    c]   Demonstrate use of computer software packages relevant to Massage Therapy Program

    d)   Determine criteria for selection of a useful application package.

4.   Discuss use of computers in massage therapy and health care.

Potential elements of the performance:

    a)   Examine use of computers in massage therapy practice.

    b)   Identify computer technology used in various health care settings.

    c)   Predict trends for computer use in society and health care.

    d)   Determine personal and technological requirements for working with computers.

    e)   Determine personal level of comfort with computer use and set personal goals for computer use.

iII.   **TOPICS:**

1.   Computer concepts and terminology
2.   Types of computers and computer systems
3.   Roles of hardware and software
4.   How to use micros
5.   Data processing cycle
6.   How to choose computer suitability
7.   Software packages, MS DOS, graphics, word processing
8.   Computers in massage therapy
9.   Your role as a massage therapist working with computers - technological skills, personal characteristics, attitudes
10.   Determining your level of comfort with computer use

IV.   **REQUIRED RESOURCES:**

Anderson, S. (1992). Computer Literacy for Health Care Professionals. Deimar Publishers Inc.

2 disks, 3 1/2" high density
1 large envelope to submit assignments/disks

COMPUTERS IN HEALTH CARE I   MSTIOI

     COURSE NAME   CODE NO.

EVALUATION PROCESS/GRADING SYSTEM

1. The pass mark for this course is 60%. The letter grades for this course will be assigned in accordance with those established by Sault College.

2. The evaluation methods will be determined and discussed with students within the first two weeks of the course.

VI. **SPECIAL NOTES:**

A. Computer Availability

A Wing computer rooms: A2020, A2040, A2140, A2050 and student workroom
- open between hours of 0800 - 2300
- days of week
- weekends

F Wing Computer Room: available through Health Sciences Lab Technologist or Security.

Learning Assistance Centre Computers: E Wing

B. Rules for Use of Health Sciences Computers

1. You must be a student registered in one of the Health Science Programmes. No guests due to limited space.
2. No eating or drinking at or near the computers - leave outside door.
3. No smoking at or near the computer - Health Sciences is a smoke-free environment.
4. No playing games on the computers.
5. Do not remove any computer equipment from machines or cabinets.
6. Non-college use of computers is not allowed.
7. Disks may be signed out from lab technologist. You must leave your ID card and sign the log. Record date/time/name of software/signature. Lab tech will record time/date returned and initial.

C. Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.

D. Students with special needs are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs Office.

COMPUTERS IN HEALTH CARE I   MSTI0I

      COURSE NAME   CODE NO.

VII.   **PRIOR LEARNING ASSESSMENT/ADVANCED CREDIT**

Students who wish to apply for advanced credit in the course should consult the instructor/coordinator. A challenge exam will also be available for students in this course seeking prior learning assessment.