

**NORTHEASTERN TECHNICAL COLLEGE  
COURSE OUTLINE**

<b>COURSE:</b>	<b>PREFIX</b>	<b>NO:</b>	<b>EFFECTIVE DATE</b>	<b>NEXT REVIEW DATE</b>
	CPT	121	SEPTEMBER, 2000	SEPTEMBER, 2001
<b>TITLE:</b>			<b>CREDITS</b>	<b>CONTACTS</b>
				<b>CLASS - LAB - TOTAL</b>
RPG PROGRAMMING I			3	3 - 0 - 3

**PREREQUISITES:** CPT 114 - Computers and Programming I

**DESCRIPTION:** This course introduces the RPG programming language, emphasizing the designing, coding, testing, and debugging of RPG programs.

**TEXTBOOK(S) OR ALTERNATIVE:** RPG II, RPG III, AND RPG/400 with Business Applications, Stanley Meyers; Prentice Hall, 2<sup>nd</sup> Edition, 1991.

**COLLATERAL READING:** RPG II Programming, Edward L. Essick, 1981.

**MATERIALS (specifying those to be purchased by student):**

None

**CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):**

Absences:

The student will be dropped after missing 20% of the scheduled class sessions with a grade of "F". Absences will be excused only in emergencies and must be documented. In the event that the student misses more than the allowable absences, the Instructor, who will complete a withdrawal form, with a grade of "F", will drop the Student. If the student wishes to withdraw from the class, the student must complete a withdrawal form which can be found in the Student Development Office of the College. The student will receive a grade of "W" if the work completed to date is acceptable; a grade of "WF" will be assigned if the work is unacceptable.

Tardy Policy:

Realizing that regular attendance in classes is a contributing factor toward academic success, it is also important that students arrive promptly for classes. Arriving late for a class not only disrupts a class in progress but interrupts the learning process. A tardy is defined as the arrival of the student to class after attendance has been taken. Three tardies will constitute one full absence.

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. Papers containing any plagiarized material will result in a grade of "F" on the paper.

Academic Dishonesty:

CMTC honors the state TEC Student Code with regard to Academic Dishonesty. Students should read pages 9 - 11 of the Student Code.\*

\* Copies of the Student Code are available in Student Services. In addition copies may be posted in instructional areas.

Classroom Etiquette:

An integral part of an education is developing a sense of integrity and responsibility not only toward ourselves but to others. In the classroom, as on the job or in your home, exhibiting appropriate behavior reflects on your maturity. Arriving late to class, being unprepared, unappropriate talking while class is in session, etc. negatively reflect on you and your fellow students. Please be considerate.

RESOURCES (A-V, persons, tools/equipment):

1. Audio Visual Aides
2. VAX 4300 series
3. Program examples

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

<u>WEEK</u>	<u>ASSIGNMENT</u>
1	INTRODUCTION - equipment usage and care
2 & 3	Input/Output Processing
4	Arithmetic Operations Edit Codes
4	Comparing
5	Control Breaks
6	Control Breaks
7	Array Processing
8 & 9	Array Processing
10 & 11	Table Lookup & Array Lookup
12 & 13	Looping Techniques & Move Operations
14 & 15	Random Record Retrieval

Student projects will be assigned as the semester progresses.

**COLLEGE-WIDE STUDENT COMPETENCY:**

The student will be able to identify and use sources of information by utilizing information processing skills compatible with job demands in a computer-literate society.

**OBJECTIVES OF COURSE:**

The student will demonstrate knowledge of the following concepts using the programming language:

1. Input/Output Operations
2. Arithmetic Operations and Logical Operations
3. Data editing overflow
4. Control Breaks and multiple breaks
5. Multiple record types and look-ahead
6. Array and table processing

**INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES:**

Lecture  
Demonstration  
Sample programs  
Handouts  
Lab assignments

**EVALUATIVE METHODS TO APPRAISE OBJECTIVES:**

There will be a midterm and final along with several programming assignments required. The programs will be graded on documentation and on format and output. The final grade will be an arithmetic average of all grades.

The following grading scale will apply:

A = 100 - 92  
B = 91 - 80  
C = 79 - 70  
D = 69 - 60  
F = 59 - BELOW

Make-up test will be decided during a conference with student. If a problem arises, please contact the instructor before the day is out.

All programs will be given a due date. Three points will be subtracted from the grade for every school day late. This applies to evening students as well as day students.