

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: TECHNICAL SYSTEMS PROGRAMMING 2

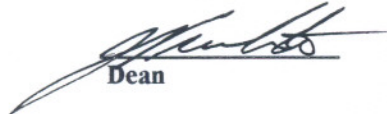
Code No: CSD313 *Semester:* 6

Program: COMPUTER ENGINEERING TECHNOLOGY

Author: Gerry Davies

Date: January , 1998 *Previous Outline Dated:*

Approved:


Dean


Date

Total Credits: 6

Prerequisites: CSD305

Length of Course: 16 Weeks *Total Credit Hours:* 96

The nature of the upgrading requirements will be determined by the instructor and may involve one or more of the following: completion of existing labs and assignments, completion of additional assignments, re-testing on individual parts of the course or a comprehensive test on the entire course.

LABS:

Lab activities represent a very important component of this course. Because of this, **attendance is mandatory** and the satisfactory completion of all lab activities is required. *It is the student's responsibility to discuss absences from regularly scheduled labs with the instructor so that alternate arrangements (where possible) can be made to complete the lab requirements. A penalty will be applied to labs not handed in by the due date.*

LAB REPORTS

Required lab report requirements will be detailed before labs are assigned.

ATTENDANCE:

Absenteeism will affect a student's ability to succeed in this course. Absences due to medical or other unavoidable circumstances should be discussed with the instructor.

VI. SPECIAL NOTES:

- **Special Needs**
Students with special needs (e.g. physical limitations, visual or hearing impairments, or learning disabilities) are encouraged to discuss any required accommodations confidentially with the instructor and/or contact the Special Needs Office so that support services can be arranged.
- **Retention of Course Outlines**
It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.
- **Course Modifications**
Your instructor reserves the right to make reasonable modifications to the course as deemed necessary to meet the needs of students or take advantage of new or different learning opportunities.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced standing in the course should consult the instructor. This course is not eligible for challenge at the present time.

I. COURSE DESCRIPTION:

This course will continue to develop the student's skills in the development of technical software systems. The student will apply programming skills and software engineering skills to technical software development projects in a group environment.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE

- A. Apply programming and software skills to larger technical projects.
- B. Work in a team-based software engineering environment.

III. TOPICS TO BE COVERED.

- 1. There will be a variety of projects for the different teams that will include areas of technical software such as programming for the internet, programming databases, creating dlls, and many others. The topics covered will vary as the applications change from year to year.

IV. REQUIRED STUDENT RESOURCES/TEXTS:

TEXT BOOK:

Visual C++ Developer's Guide
David Bennet, et al.
Sams Publishing

V. EVALUATION PROCESS/GRADING SYSTEM:

The course will consist of three projects, each worth 30% consisting of a 20% group marks for the project, and 10% for a test on the material of the project. The final 10% for the course will consist of a peer evaluation. In summary:

Projects	3 @ 30% each	90%
Peer Evaluation		10%
	Total	100%

GRADING SYSTEM

A+		90	-	100%
A		80	-	89%
B		70	-	79%
C		55	-	69%
R	Repeat	Less than 55%		
X	Incomplete			

UPGRADING OF INCOMPLETES

When a student's course work is incomplete or final grade is below 55%, there is the possibility of upgrading to a pass when a student meets all of the following criteria:

- 1. The student's attendance has been satisfactory.
- 2. An overall average of at least 45% has been achieved.
- 3. The student has not had a failing grade in all of the theory tests taken.
- 4. The student has made reasonable efforts to participate in class and complete assignments.