

I. COURSE DESCRIPTION:

Upon successful completion of this course the apprentice will be able to use manufacturers' service literature, personal computers and networks to locate service and parts information and understand networking protocols of OEM Intranet data hubs, repair vehicle cab components and fixtures to the manufacturers' and statutory standards, to describe the different types of truck and coach rig configuration used in highway applications and access information to determine legal vehicles by weight, height and length.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. *Information Accessing and Communication Systems***Potential Elements of the Performance:**

- Define the purpose, functions and application of Information Accessing and Communications Systems.
- Create letters and reports using a PC (personal computer) and universal software programs.
- Describe how spreadsheet and word processing software is used in service facilities and how to manage information.
- Introduction to networking.

2. *Cabs and Control Systems***Potential Elements of the Performance:**

- Describe the functions, construction and application for Cabs and Control Systems.
- Perform inspecting and testing and adjustment procedures for Cabs and Control Systems.

3. *Truck Trailer and Articulating Coach Combinations***Potential Elements of the Performance:**

- Define the purpose and fundamentals of truck rig configurations and articulating coaches.
- Describe the functions, types, styles and application of tractor-trailer configurations and articulating coaches.
- Explain the principles.

III. TOPICS:

1. Information Accessing and Communication Systems.
2. Cabs and Control Systems.
3. Truck Trailer & Articulating Coach Combinations.

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Prescribed text books outlined at the beginning of the course.
Must have Sault College/CSA safety glasses and steel toe work boots for lab activities as well as coveralls or shop coat.

V. EVALUATION PROCESS/GRADING SYSTEM:

- **70% of theory testing.**
- **10% shop assignments.**
- **20% Final Exam.**

The following semester grades will be assigned to students:

Grade	Definition	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

VI. SPECIAL NOTES:

Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 2703 so that support services can be arranged for you.

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 postsecondary institutions.

Communication:

The College considers **WebCT/LMS** as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of the **Learning Management System** communication tool.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Code of Conduct*. Students who engage in academic dishonesty will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

VII. PRIOR LEARNING ASSESSMENT:

Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

VIII. ADVANCE CREDIT TRANSFER:

Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question.