SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO

Sault College

COURSE OUTLINE

COURSE TITLE: Automotive Information Technology

CODE NO. :   ASM 216   **SEMESTER:**   4

PROGRAM:

AUTHOR: STEPHEN KENT

DATE: January 09   **PREVIOUS OUTLINE DATED:**   January 08

APPROVED:

"Corey Meunier" _____

CHAIR   DATE

TOTAL CREDITS:

PREREQUISITE(S):   ASM200, ASM 201, ASM 202, ASM 203 and ASM 204

HOURS/WEEK: 2 per week

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I.   COURSE DESCRIPTION:

The automotive information technology course is designed to introduce a variety of software applications used in automotive and auto body repair facilities. Students will be introduced to the methods utilized in today's auto body shops to effectively estimate body and chassis damage and will prepare estimates using Mitchell Ultra-Mate software. Students will also use service department software applications such as Alldata, ShopKey and Prosis. Students will focus on work order writing, preparing mechanical repair estimates and tracking technician productivity.

II.   LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. ***Perform vehicle damage estimating using the Mitchell Ultramate Software and provide a detailed report including parts, labor, taxes and materials.***
    Potential Elements of the Performance:
    - Perform assigned exercises using "Ultramate"
    - Estimate Damage of assigned vehicles
    - Compare estimates with other students

2. ***Explain suspension components damage inspection procedures.***
    Potential Elements of the Performance:
    - Perform bent strut quick check
    - Observe jounce and rebound test of vehicle on modern alignment equipment
    - Visually check for stress marks on steering and suspension components
    - Perform centerline steering checks

3. ***Write work orders on assigned vehicles and prepare repair estimates using service and parts department software.***
Potential Elements of the Performance:
- Roll play customer complaint, write work order and give a repair quote using Shop Key, All Data and Prosis soft ware.
- Hand out work orders to fellow students and monitor their progress during shop class.
- Look up parts, prices and check availability using local parts store online parts catalog and inventory.

4. ***Monitor technician productivity from the previous weeks shop repairs.***
Potential Elements of the Performance:
- Prepare a report showing available hours versus billable hours and submit to acting service manager.
- Check profit margin using Shop Key service management soft ware.

III. TOPICS:

1. Perform vehicle damage estimating using the Mitchell Ultramate Software and provide a detailed report including parts, labor, taxes and materials.

2. Explain suspension components damage inspection procedures.

3. Write work orders on assigned vehicles and prepare repair estimates using service department software.

4. Monitor technician productivity from the previous weeks shop repairs.

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:
   Handouts supplied

V. EVALUATION PROCESS/GRADING SYSTEM:
   Final Grades are based on the following breakdown:

Attendance	20%
Performance of Assignments	60%
Final Exam	20%

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The following semester grades will be assigned to students:

Grade	Definition	Grade Point Equivalent
A+	90 – 100%	4.00
A	80 – 89%	
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00

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:

Disability Services:
If you are a student with a disability (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Disability Services 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.

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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:

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.

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