

ABR 150 Painting And Refinishing
Collision Repair Technology

Course Syllabus
Spring 2008

Instructor: Jon D. Hunt, Instructor
Office: Building D, classroom
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Phone: (270) 901-1028

Advising Hours: Monday and Wednesday --- 7:30 to 8:00-11:00 to 11:30 &
2:45 to 3:30
Tuesday and Thursday --- 7:30 to 8:00-11:00 to 11:30 &
3:00 to 3:30
Friday By Appointment only

Any changes to the syllabus are at the discretion of the instructor and students may be notified either verbally or in writing.

College Contact:

If the instructor is not available, in case of an emergency contact Applied Technology Division Chair Ron Baldwin at (270) 901-1002

Prerequisites: None

Co-Requisites: ABR150 and ABR 151 must be taken together.

Additional Course Requirements: None

Textbooks/Supplies:

_AUTO BODY REPAIR TECHNOLOGY 4TH EDITION .Duffy

Safety glasses are required for all lab classes.

Technology/ Media Component: Computer lab, Videos, Interactive software.

Work Keys: All students are required to take the work keys exam. The test is administered in the first semester and the final semester. Successful mastery of the work keys exam is mandatory to earn the Diploma or Associates degree.

Library Project: Students are required to submit either a power point presentation or a three page essay concerning Automotive Technology. The project will require meeting with the Librarian to schedule computer lab time and three references from internet sites. You will also need to include three references from Articles, Periodicals, and Journals. The project will be worth 10 % of your grade.

Web Assignment: Students are required to turn in the Library Project using their student email account with an attachment. The assignment is worth 5% of their grade.

Drop/Add Policy: Refer to Student Handbook.

Policies on Attendance and Late/Missed Work:

Three absences per semester are acceptable. After five absences, the student may be removed from the class with a failing grade at the discretion of the instructor.

If the absence is excused, then it is the student's responsibility to contact the instructor within three days for makeup. However, all makeup is at the discretion of the instructor.

Withdrawal Policy: Through the midterm of the session, a student may officially withdraw from a course and receive a “W.” After this period, a student may officially request to withdraw from a course and receive a W which may be given at the discretion of the instructor. Each instructor shall state on the first or second class meeting the factors to be used in determining if a student will be allowed to withdraw during the discretionary period. The student must initiate the official withdrawal. Withdrawal from a course or courses is a serious decision and, in many cases, affects financial assistance and academic progress. In addition, withdrawal does not relieve students from their financial obligation. See the Spring 2008 Schedule of Classes for dates.

Financial Aid Statement: PELL, SEOG, and Student Loan recipients (Title IV) who stop attending or withdraw prior to the 60% point in the semester may be obligated to repay a portion of their financial aid.

KCTCS Code of Student Conduct: Kentucky Community and Technical College System (KCTCS) faculty and students are bound by principles of truth and honesty that are recognized as fundamental for a community of teachers and scholars. The College expects students and faculty to honor, and faculty to enforce, these academic principles. The College affirms that it will not tolerate academic dishonesty including, but not limited to, violation of academic rights of students and student offenses. Students may refer to the KCTCS Code of Student Conduct, www.kctcs.edu/student/code.htm , for more information on student rights, academic offenses, and the student’s right to appeal. Further information on student rights is available on the BGTC website under the Become a Student tab, Student Services. (<http://www.kctcs.edu/student/studentcodeofconduct.pdf>)

Safety/General:

- ◆ No student will operate any equipment without having received safety information on that equipment. It is the student's responsibility to make sure he/she has had this instruction.
- ◆ All personal safety equipment is the responsibility of the student. The student will be asked to move to a safe area if all safety equipment is not available.
- ◆ Any student endangering the safety of another student will be asked to leave the class at that time. The student will be allowed to return to class the next period and disciplinary action will be taken.
- ◆ Students will not operate any machine or tool unless the instructor is present.
- ◆ Students are not allowed to operate a vehicle owned by KCTCS.
- ◆ Days the College is not in session

Bowling Green Technical College would like to help students with disabilities achieve their highest potential in college. If you need an accommodation because of a documented disability, you are required to register with Disability Services **each semester**. Contact Pam Bulle, Disability Services Coordinator at 901-1202. If you require assistance during an emergency evacuation, notify Disability Services immediately.

Second Semester:

Course #	150 ABR	PAINING AND REFINISHING	9.0 225	Credit Hours
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REQUIRED TEXT(S) AND MATERIALS/SUPPLIES		
AUTO BODY REPAIR TECHNOLOGY 4 TH EDITION		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Prerequisites:</td> <td style="width: 50%;">Co-requisites: ABRS 151</td> </tr> </table>	Prerequisites:	Co-requisites: ABRS 151
Prerequisites:	Co-requisites: ABRS 151	

COURSE OBJECTIVES	
1	USE SAFE REFINISHING PROCEDURES
	PROPERLY PREPARE REFINISH AREA
	PROPERLY SAND AND FEATHEREDGE AREA TO BE REFINISHED
	PROPERLY MASK AREA TO BE REFINISHED
	APPLY UNDERCOATS TO SURFACE AREAS AND PROPERLY MAINTAIN SPRAY EQUIPMENT
	PROPERLY IDENTIFY PAINT PROBLEMS

DAILY TOPICS	
1	COMPLY WITH PERSONAL AND ENVIRONMENTAL SAFETY PRACTICES
2	IDENTIFY AND TAKE NECESSARY PRECAUTIONS WITH HAZARDOUS OPERATIONS AND MATERIALS ACCORDING TO FEDERAL EPA STATE AND LOCAL REGULATIONS
3	IDENTIFY PERSONAL HEALTH AND SAFETY HAZARDS ACCORDING OSHA GUIDELINES AND "RIGHT TO KNOW" ACT
4	INSPECT SPRAY ENVIRONMENT FOR CLEANLINESS AND SAFETY HAZARDS
5	SELECT AND USE NIOSH APPROVED RESPIRATOR
6	REMOVE DIRT, ROAD GRIME, WAX FROM AREA TO BE REFINISHED
7	INSPECT AND IDENTIFY SUBSTRATE, TYPE OF FINISH, AND SURFACE CONDITION AND DEVELOP A PLAN FOR REFINISHING
8	REMOVE PAINT FINISH
9	DRY OR WET SAND AREAS TO BE REFINISHED
10	FEATHEREDGE BROKEN AREAS TO BE REFINISHED
11	APPLY SUITABLE METAL TREATMENT OR PRIMER
12	MASK TRIM AND PROTECT OTHER AREAS THAT WILL NOT BE REFINISHED
13	MIX PRIMER, PRIMER SURFACER AND APPLY TO SURFACE OF REPAIRED AREA

14	APPLY TWO COMPONENT FINISHING FILLER TO MINOR SURFACE IMPERFECTIONS
15	REMOVE DUST FROM AREA TO BE REFINISHED
16	CLEAN AREA TO BE REFINISHED USING A FINAL CLEANING SOLUTION
17	REMOVE WITH A TACK RAG, ANY DUST OR LINT PARTICLES FROM THE AREA TO BE REFINISHED
18	APPLY SUITABLE SEALER
19	SCUFF SAND TO REMOVE NIBS OR OVERSPRAY FROM SEALER
20	APPLY STONE CHIP RESISTANT COATING
21	RESTORE CORROSION RESISTANT COATINGS
22	PREPARE ADJACENT PANELS FOR BLENDING
23	CHECK AND ADJUST SPRAY GUN PRESSURE FOR SIPHON FEED, PRESSURE FEED AND GRAVITY FEED—HVLP
24	SET UP ADJUST AND SPRAY GUN USING FLUID, PATTERN CONTROL AND AIR VALVES
25	DETERMINE TYPE AND COLOR OF PAINT ALREADY ON VEHICLE
26	DETERMINE TYPE AND COLOR OF PAINT ALREADY ON VEHICLE
27	SHAKE, STIR, REDUCE, CATALYZE, AND STRAIN PAINT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS
28	APPLY SINGLE STAGE TOPCOAT
29	APPLY BASECOAT/CLEARCOAT FOR SPOT REPAIR
30	CLEAN, CONDITION OR REFINISH VINYL
31	TINT COLOR USING FORMULA TO ACHIEVE A BLENDABLE MATCH
32	IDENTIFY AND MIX PAINT USING A FORMULA

EVALUATION:

Exams/Quizzes **75%** + Labs **%** + Homework **25%** + Other **%** +

Workplace Readiness **%** = 100%

ADDITIONAL INFORMATION:

Class participation is required.
All written work must be written neatly or typed.