Course Information

<table>
<thead>
<tr>
<th>Course: Motorcycle/Small Engine Four-Stroke Eng/Trans</th>
<th>Instructor: Duncan Paul / R. Hinkle (Tues. Evening)</th>
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</thead>
<tbody>
<tr>
<td>Term: Fall 2015</td>
<td>Preferred Email Address: <a href="mailto:dpaul@dcccd.edu">dpaul@dcccd.edu</a></td>
</tr>
<tr>
<td>Course Number: MTRC 1419/ SMER 1437 (31211/31501)</td>
<td>Phone: 972-860-8223, HM 972-476-6686</td>
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<tr>
<td>Meeting Time: Day 8AM-12PM, M-F, Eve 6PM-10PM, T-Th H101C</td>
<td>Office Location and Hours: H101A, 7AM-8AM M-F, 4PM-6PM Thr</td>
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Course Description
This course covers the operation of two and four stroke engines and their lubrication and cooling systems with an emphasis on troubleshooting causes of engine failure.

Required Materials Including Textbooks (include ISBN)
Modern Motorcycle Technology
EDITION: 2nd Edition
ISBN: 1111640645
Students are required to have their own hand tools or work with a student who is willing to share his tools during lab exercises. (See Tool List)

Note: A minimum of 9 hours per week should be devoted to course material outside of class time

Course Prerequisites:
None

Instructor Information

Disclaimer –
The instructor reserves the right to amend this syllabus as necessary.

Texas Core Objectives for Student Learning
The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this program, the following skills are in focus.

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Communication Skills** - to include effective development, interpretation and expression of ideas through written, oral and visual communication, list the areas affected during the course of a tune-up, and explain why tune-up procedures are performed in a particular sequence.
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Student Learning Outcomes
1. Demonstrate the ability to diagnose a need for an engine overhaul.
2. Demonstrate the ability to disassemble engines/transmissions.
3. Demonstrate the ability to service engine components to manufacturers’ specification
4. Demonstrate the ability to assemble engines/transmission.

CVC Learning Signature
CVC’s Learning Signature is *One College Transforming Lives*. Cedar Valley College establishes clear expectations for students through engagement and empowerment leading to excellence.

CVC Faculty and Staff expect students to:
- take responsibility for their own learning
- commit to achieving high academic performance
- be meaningfully engaged in the campus community

CVC Faculty and Staff expect to:
- provide students a clear pathway of instruction
- establish clear learning outcomes
- serve as role models and mentors for students
Course Outline

For maximum success in this course you should spend a minimum of 9 hours per week working on course material.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topic</th>
<th>SLO</th>
<th>Quiz/Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Engine Evaluation</td>
<td>1</td>
<td>T1/Lab</td>
</tr>
<tr>
<td>2</td>
<td>Engine disassembly and assembly</td>
<td>2,4</td>
<td>T1/Lab</td>
</tr>
<tr>
<td>3</td>
<td>Cylinders and cylinder heads</td>
<td>3</td>
<td>T2/Lab</td>
</tr>
<tr>
<td>4</td>
<td>Measuring instruments</td>
<td>3</td>
<td>T2/Lab</td>
</tr>
<tr>
<td>5</td>
<td>Crankshafts</td>
<td>3</td>
<td>Final/Lab</td>
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</table>

Evaluation Procedures

At the beginning of the course, the instructor provides a schedule of examinations and assignments that contribute to the final grade in the course for each student.

Grading Scale

<table>
<thead>
<tr>
<th>Scale</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>65-69%</td>
<td>D</td>
</tr>
<tr>
<td>64 and below</td>
<td>F</td>
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</table>

Lab Performance: Your grade will be determined by your performance in four areas of importance:

- Your efficiency of time usage = 25%
- The quantity of work completed = 25%
- The quality of work complete = 25%
- The jobs you complete = 25%

Exams and Assignments

The final grade for the course reflects evaluation of the student’s work on the following assignments that are calculated as follows:

- Written Exams = 2
- Final Exam = 1
- Tests = 30%
- Final = 20%
- Lab Performance = 50%

Stop Before you Drop

Under a Texas law (TEC Section 51.907), if you drop too many classes without having an acceptable reason, your GPA could be affected. Be sure you understand how this law may affect you before you drop a class.

The law applies to students who enroll in a Texas public institution of higher education (including the colleges of DCCCD) for the first time in fall 2007 or later. Under this law, you may not drop more than six classes without an acceptable reason during your entire undergraduate career without penalty. For more information, please see our catalog or read Facts About Dropping Classes.

If you drop or withdraw before the official drop/withdrawal deadline, you will receive a grade of W (Withdraw) in each class dropped until the seventh unacceptable drop. You will earn a grade of WF for the seventh unacceptable drop, and each unacceptable drop after that. A grade of WF will be calculated in your GPA as an F.

The deadline for receiving a W is indicated on the academic calendar and the current class schedule.

For more information, you may access:
http://www.dcccd.edu/Why/Reg/Registration/Pages/DropWithdraw.aspx

The Dallas County Community Colleges will charge additional tuition to students registering the third or subsequent time for a course. This class may not be repeated for the third or subsequent time without paying the additional tuition. Third attempts include courses taken at any of the Dallas County Community Colleges since the fall 2002 semester. More information is available at:
http://www.dcccd.edu/PC/Cost/3rdCrseAttmpt/Pages/default.aspx

Attendance Policy

In general, daily class attendance enhances student achievement of an A, B or C in the course. Students should advise instructors of illness, work or family situations that may require absence from a class. You are expected to attend each class meeting of this course. Due to the lab nature of this course you lab grade will be reduced by 6% for each absence in excess of three. Being tardy or leaving early will count as 1/4 of one absence each.

Classroom Policies

Testing Policy: Students are expected to take tests on the day and at the time the tests is given. Unexcused absence on test day will result in grade reduction as follows:
- 10 points = for the 1st Day
- 20 points = for the 2nd Day
- 30 points = for the 3rd Day

All testing will be considered complete three class days after the day of the test.

Tutoring Services

None offered for this course
QUALITY ENHANCEMENT PLAN

Cedar Valley College's Quality Enhancement Plan is designed to improve student learning in mathematics. Read more about our QEP at: http://www.cedarvalleycollege.edu/QEP/default.aspx

INSTITUTIONAL POLICIES

Academic Advising
Academic Advising is a collaborative educational process whereby students and their advisors are partners in meeting the students' academic, personal, and career goals. This partnership is a process that is built over the student's entire educational career at Cedar Valley College.

Educational planning is available to all students. First time in college students must meet with academic advisors prior to enrolling in classes; however, continuing students may choose to see faculty advisors, faculty counselors, and/or program coordinators after classes begin. All parties have clear responsibilities for ensuring a successful partnership. For more information, you may access: https://www.cedarvalleycollege.edu/FutureStudents/StudentServices/AcademicAdvising/Pictures/AdvisingSyllabus.pdf

Academic Honesty
Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion.

ADA Statement
If you are a student with a disability and/or special needs who requires accommodations, please contact the college Disability Services Office at 972-860-8119.

Emergency Alert
Sign up for DCCCD Emergency Alerts to receive a text-message, e-mail and/or phone call when there is an unscheduled evacuation or closure of a DCCCD campus or office because of weather closures, utility outages, police or other emergencies. Subscribing is free, but standard text message charges from your cell phone provider will apply. Please refer to: http://www.dcccd.edu/SS/OnlineSvs/EmergAlerts/Pages/default.aspx

Financial Aid
Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

Health Center Services
Basic first aid for minor cuts, scrapes, insect stings, and heat, etc.
- Over-the-counter medications for headaches, fever, seasonal allergies, and colds
- Over-the-counter medications for mild allergic reactions
- Emergency sanitary pads
- Blood Pressure check
- Coordination with outside health agencies such as Carter Blood Care; Dallas County Health Dept. (HIV/STD testing--free, twice a semester); UT Southwestern mobile mammography; Immunizations once a month for children <19 y.o. from the DCDHHS; Agape Massage; and Employee Wellness Screening
- Rest area for stress relief, migraine headaches, post seizure activity
- AED (Automatic External Defibrillator) for CPR
- Confidential "talks"
- Assists with health related club activities when asked and time permits

Honors Credit Availability
Not Available.

Religious Holidays
Absences for observance of a religious holy day are excused. A student whose absence is excused to observe a religious holy day is allowed to take a make-up examination or complete an assignment within a reasonable time after the absence.