

Campus Name: Ankeny

Course Title: Motor and Power Electronics

Course Number: ELT 728

Section Number & CRN: 1 / 31157

Instructor Information

Name	Richard E. Wagner
E-mail Address	rewagner@dmacc.edu
Phone Number	515-770-9105(cell)
Fax Number	Not used
Office Location	Building 3 East
Office Hours	Mondays and Wednesdays 1:00 pm to 3:30 pm
Instructor Web Page Address	Not used
Blackboard	Not used in this class.

Course Information

Semester & Year	Summer 2017
Date Syllabus Created and/or Revised	May 22, 2017
Days & Time & Location	Tuesdays and Thursdays 8:30 am to 12:10 pm
Course Description & Credits	https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx
Prerequisites	ELT 387 Electronic Circuit Analysis, or ELT 303 General Electricity
Course Competencies	https://www.dmacc.edu/competencies
Study Tips	Stay ahead of material. This semester is only 10 weeks long.
How the Course Fits into the Curriculum	Required class for Electronics Engineering Technology, Robotics and Controls Engineering Technology

Textbooks & Materials

Required Textbooks & ISBN	Rockis, Gary and Mazur, Glen, <u>Electrical Motor Controls</u> , most recent edition. American Technical Publishers.
Required Materials	Most important required material are safety glasses. There are extra safety glasses in the classroom for use during labs, however points will be deducted and you will be removed from the class for the day with no lab credit. Combination wire stripper / crimper, safety glasses, medium sized flat head screwdriver, and #2 phillips screwdriver. Be prepared to purchase other misc. items throughout the semester as needed.

Software Applications	None used								
Software Notice	"All the software used in this class is copyrighted; therefore, it is not for distribution, copying, or personal use. This software is the property of Des Moines Area Community College."								
Course Policies									
Attendance	<p>Attendance is 10 percent of the final grade. I follow a curved scale for attendance as follows:</p> <p>0 to 2 classes = 10% Or Full Attendance credit. This is very easy to receive full credit.</p> <p>3 classes = 5% or ½ Credit</p> <p>4 or more classes = -10% Deduction from total Grade. Note: This is not 0% of 10%. This is a 10% deduction of your final grade.</p> <p>Two late attendances will count as one missed class period.</p> <p>If your schedule is such that full attendance is not possible (work schedule, etc), do not take this class. Summer classes are very short in length. There is no time for makeups. With the shortened semester (10 weeks) a lot is covered in a small amount of time. It is very easy to "fall of the edge" and not be able to get back on track. STAY AHEAD.</p>								
Grading Criteria	<p>Your grade for the course is based on tests, homework exercises, class exercises, quizzes and a comprehensive final. Each of these are weighted to the final score as follows:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">Attendance</td> <td>= 10%</td> </tr> <tr> <td>Tests</td> <td>= 50%</td> </tr> <tr> <td>Final</td> <td>= 20%</td> </tr> <tr> <td>Class exercises (labs, quizzes &HW)</td> <td>= 20%</td> </tr> </table> <p>Failure to complete any class exercise (lab) will result in a 4% deduction in a student's grade. Substitute labs must be arranged with instructor within one week. This is your responsibility and NOT THE INSTRUCTOR! Attendance will be recorded each class period. Students who conduct themselves in an unprofessional manner (plagiarism, harassment) may be given a failing or reduced grade.</p> <p>. Attendance will be recorded each class period. Students who conduct themselves in a unprofessional manner (plagiarism, harassment) will be given a failing grade.</p> <p>This syllabus is not a contract. If it is obvious that you do not understand the material, you will receive a failing grade.</p> <p>The summer semester is only 10 weeks long. It is very easy to get burned out (myself included). Don't fall over the edge! Ask questions, ask for help.</p> <p>In</p> <p>The final letter grades may be assigned based on the ranges:</p> <p>100% - 90% = A</p> <p>89% - 80% = B</p> <p>79% - 70% = C</p> <p>69% - 60% = D</p> <p>Below 60% = F</p> <p>I may lower or raise an individual's grade based on conduct, preparedness, and other general aspects mentioned above.</p>	Attendance	= 10%	Tests	= 50%	Final	= 20%	Class exercises (labs, quizzes &HW)	= 20%
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Final	= 20%								
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Classroom Conduct	Homework assignments must be legible for credit. Homework assignments do not need to be typed, but they must have a typed cover page with appropriate information about assignment.
Missed Exams	In the event class is canceled, you will be emailed with your DMACC email address. You will be emailed as soon as possible but be aware that sometimes advanced warning just is not available. If I am not present during class start time, please text or call my cell phone number listed in this syllabus. If there is no answer, please check with the secretary in building 3 East or 3 West (sometimes substitutes will show up late). Do not assume after 5 minutes that class is canceled. There is no time limit that automatically cancels class.
Late Assignments	Not accepted. Summer semester is only 10 weeks long. Stay ahead.
Extra Credit	None
Study Expectations	The summer semester is only 10 weeks long. It is very easy to fall behind quickly. Stay ahead of the material. Since most of this material is built on material from the previous week, if you miss a week, you will be lost. I have very little time during the summer semester to arrange makeup labs.
Weather Policy	Individual circumstances such as health, childcare, rural roads, distance from the College, etc. can vary greatly among students and staff. It is always DMACC's goal to provide safe learning conditions, as well as provide the opportunity for students to attend classes when the vast majority is able to safely attend. The final decision to come to College can only be made by the individual student based on their specific extenuating circumstances that may make it unsafe for them to travel. During adverse weather, DMACC faculty is considerate of students who are unable to attend classes due to unique extenuating circumstances. Notification of Campus/College closures will be sent out through the DMACC RAVE Alert System, posted to the DMACC webpage at www.dmacc.edu , and where possible sent to the local media.
Class Cancellation Procedure	In the event class is canceled, you may be emailed with your DMACC email address. You will be emailed as soon as possible but be aware that sometimes advanced warning just is not possible. If I am not present during class start time, please text or call my cell phone number listed in this syllabus. If there is no answer, please check with the secretary in building 3 East or 3 West (sometimes substitute instructors will be late or in wrong classroom). Do not assume after 5 minutes that class is canceled. There is no time limit that automatically cancels class.

Academic Dishonesty/Plagiarism	<p>Failing grade.....if you are found cheating, or plagiarizing other work you will receive a failing grade. You are entitled to discuss this later on with your instructor, but please don't waste my time.</p> <p>It is important for you to be familiar with and follow DMACC's Academic Misconduct policy. Students are encouraged to review DMACC's Academic Misconduct Policy on-line at https://go.dmacc.edu/handbook/polprocedures/pages/academic_misconduct.aspx or in the DMACC Student Handbook.</p>
Course Specific (lab) Safety Procedures	<p>Safety glasses are required for all labs and lab procedures. There are no exceptions. If you remove safety glasses during a lab, you will be removed from the class for the day. No credit for lab will be given.</p> <p>This is a requirement. I will not accept any discussion why this is required for all labs in this class. Once again... There are no exceptions.</p>
DMACC Information	
Instructor Home Pages	Not Used
Add/Drop Dates	https://go.dmacc.edu/registration/pages/add_drop.aspx
Refund Policy	https://go.dmacc.edu/registration/Pages/refund.aspx
Support Services	
Services for Students with Disabilities	<p>https://go.dmacc.edu/student_services/disabilities</p> <p>Any student with a documented disability who requires reasonable accommodation should contact the Disability Services Coordinator at 515-964-6850 or the counseling & advising office on any campus to apply for services.</p>
Early Alert Referrals	<p>https://www.dmacc.edu/counseling/Pages/facultyreferrals.aspx</p> <p>DMACC faculty are encouraged to help connect students to available resources at the college, including academic advising, counseling, tutoring, and more. Early Alert Referrals result in direct outreach by phone and email to students who have been referred. Students are encouraged to respond to outreach efforts and take full advantage of available resources in support of their success. Questions about this process should be directed to Bobby Nalean at 515-964-6474 or earlyalert@dmacc.edu.</p>
Course Syllabus	

DISCLAIMER: “This syllabus is representative of materials that will be covered in this class; it is not a contract between the student and the institution. It is subject to change without notice. Any potential exceptions to stated policies and requirements will be addressed on an individual basis, and only for reasons that meet specific requirements. If you have any problems related to this class, please feel free to discuss them with me.”

NONDISCRIMINATION POLICY: Des Moines Area Community College shall not engage in nor allow discrimination covered by law against any person, group or organization. This includes in employment, hiring practices or the provision of services, and harassment or discrimination based on race, color, national origin, creed, religion, sex (including pregnancy and marital status), sexual orientation, gender identity, age, disability and genetic information. Veteran status in educational programs, activities, employment practices, or admission procedures is also included to the extent covered by law. Individuals who believe they have been discriminated against may file a complaint through the College Discrimination Complaint Procedure. Complaint forms may be obtained from the Campus Provost's office, the Academic Deans' office, the Judicial Officer, or the EEO/AA Officer, Human Resources. For information about the ADA, the Section 504/ADA Coordinator may be contacted at 515-964-6857. For Title IX questions and concerns contact 515-964-6850.

Students who wish additional information or assistance may refer to Student Services procedure ES 4645 located at https://www.dmacc.edu/student_services/int. Click Policies & Procedures.

Accommodations: The Program Development/Academic Support Services Director is the official Student Accommodation Officer/Section 504/ADA Coordinator for DMACC. The ADA Coordinator's office is located in Bldg. 6-10E on the Ankeny Campus and may be contacted by voice (515-964-6857). The ADA Coordinator is responsible for ensuring that the college complies with federal regulations that guarantee qualified students with disabilities equal access to all programs and services. Any student, faculty, or staff member may contact the ADA Coordinator's office for clarification of federal regulations, appeal of a grievance, or resolution of a disability-related problem.

Additional Information

To access additional information related to DMACC policies and procedures that impact the classroom (i.e. use of technology, weather-related cancellations, classroom conduct, etc.) please refer to the DMACC student handbook.

If you do not have access to a computer and need a printed version of any of the information described above, contact your instructor.

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