



<http://www.dmacc.edu>

Campus Name: Ankeny

Course Title: Electronic Circuit Analysis Lab II

Course Number: ELT388

Section Number & CRN: Section 1 CRN:24348

Instructor Information

Name	Robert Lawson
E-mail Address	rmlawson@dmacc.edu
Phone Number	515-965-7142
Fax Number	515-964-6815
Office Location	Building 3E room 114
Office Hours	Monday through Thursday 4pm to 5:pm and Tuesday/Thursday 9:30am to 10:00am Other times by appointment
Instructor Web Page Address	
Blackboard	https://dmacc.blackboard.com/webapps/portal/execute/tabs/tabAction?tab_group_id=1_1

Course Information

Semester & Year	Spring 2017
Date Syllabus Created and/or Revised	01-08-2017
Days & Time & Location	Monday Wednesday 10:00 to 11:55am Room 3W41
Course Description & Credits	https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx An analysis of solid state circuitry. Course includes both transistor and integrated circuit experiments. Linear amplifiers and active filters are evaluated. Students will attend a minimum of three industrial tours, which may take place outside of regular class time. Credits 2
Prerequisites	Co-requisite: ELT 387.
Course Competencies	https://www.dmacc.edu/competencies
Course Overview	An analysis of solid state circuitry. Course includes both transistor and integrated circuit experiments. Linear amplifiers and active filters are evaluated

Study Tips	To do well in this class, you must do your homework regularly (see schedule and dateline on the last pages). Study the assigned readings, which will help you follow the content of the lecture. Review your lecture notes. Ask questions. Students are expected to devote three hours of study time for each contact hour. It is realistic to expect to spend at least 6 hours per week studying for this class. If you miss any lecture, it is your responsibility to obtain the notes from a classmate as soon as possible. Then review the missed notes and ask the instructor any questions on the missed material as soon as possible. The content of this course builds on itself throughout the semester. Consequently, it is important that students master early concepts, as they will become building blocks for concepts introduced later in the course. Students should seek extra help (tutoring, come in to office hours, etc.) as soon as possible if they feel that they are getting behind on the course material.
How the Course Fits into the Curriculum	Secondary lab course on Circuit Analysis.
Textbooks & Materials	
Required Textbooks & ISBN	Experiments in Electronics Fundamentals and Electric Circuit Fundamentals, 8 th Edition, David M. Buchla ISBN-13: 978-0135063279
Required Materials	Scientific Calculator, Basic Tools (screwdrivers, wire strippers, jumper leads, etc.), Appropriate attire for a electronics lab environment (long pants and/or apron; closed-toe, rubber-sole shoes; minimize jewelry) BRING THESE MATERIALS TO EVERY CLASS PERIOD UNLESS OTHERWISE INSTRUCTED
Optional or Recommended Books/Materials	n/a
Software Applications	n/a
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." Software notice. Select and delete row if not applicable.
Course Policies	

Attendance	<p>Chapter exams, final exams and quizzes are to be taken on the designated days as set out by the instructor. You will be allowed to make up 1 exam that must be completed within 1 week of the scheduled exam. Attendance is expected and it is the responsibility of the student to get the reading, lab and notes from a fellow student if you do not attend the class. Some quizzes may be unscheduled and may not be taken later.</p> <p>Attendance is expected. Labs must be turned in by the beginning of the class period that it is due. Parts and equipment are provided in the class room. If you are absent you may have to finish your lab outside of class and/or the class room. Quizzes cannot be made up!</p> <p>Class may include company tours/visits outside of the class times.</p> <p>Show up and be mentally and physically capable of learning!</p> <p>Unannounced quizzes are possible at ANY TIME!</p>
Grading Criteria	<p>Your grade for the course is based on lab workbooks, lab participation, and quizzes. Lab books will be worth 80% of the grade. Quizzes will be worth 20% of the grade.</p> <p>Good class participation is worth <u>an extra 5pts</u> on top of your grade. Therefore, being here for the full class time will help your grade. Missing quizzes will hurt your grade.</p> <p>The final letter grades will be assigned based on the ranges: A =94 to 100 % A-=90 to 93 % B+=88 to 89 % B =84 to 87% B-=80 to 83 % C+=78 to 79 % C =74 to 77 % C-=70 to 73 % D+=68 to 69 % D =64 to 67 % D-=60 to 63 % Below 60 % is an F</p> <p>The ranges may be lowered to your benefit, but will not be increased.</p>
Classroom Conduct	<p>https://www.dmac.edu/handbook</p> <p>Show consideration for your classmates and instructor through these courtesies: (1) arrive on time, (2) be prepared for class, (3) participate actively and respectfully in class activities, (4) listen with care to the class discussion, and (5) turn off and put away cell phones and other electronic devices when you enter the classroom.</p>
Missed Exams	n/a
Late Assignments	Assignments not handed in on its due date will receive a value of zero (0).

Extra Credit	Extra credit is at the discretion of the instructor.
Study Expectations	<p>Do the assigned and any suggested problems.</p> <p>If you do not understand something, see me as soon as possible. Labs are designed to give you hands-on experience. Make sure you can do a lab by yourself (i.e. don't let your lab partner do all the work)</p> <p>All homework submitted for grading must be <u>legible</u>, stapled and submitted on approx 8 ½ x 11 paper. Make sure your name is on all materials.</p> <p>Use study groups.</p> <p>Come prepared to think and actively participate in class. Have a positive attitude.</p> <p>I strongly recommend studying every day, and to avoid “cramming” the day before a test.</p>
Weather Policy	<p>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.</p>
Class Cancellation Procedure	<p>It is the responsibility of each faculty member to notify their students (in addition to their dean or provost) through some predetermined means if they are must postpone or cancel a specific class.</p> <p>In the event that class is cancelled for other reasons, every effort will be made to notify students as soon as possible. Notification may include email notification and will include a notice posted at the entry to the classroom.</p>
Academic Dishonesty/Plagiarism	<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	During lab you will be working with electrically powered equipment and with electric circuits. Appropriate clothing and behavior for a lab environment is required. Safety rules such as personal protective equipment and proper use of test instruments is expected.
DMACC Information	
Instructor Home Pages	http://www.dmacc.edu/instructors
Add/Drop Dates	https://go.dmacc.edu/registration/pages/add_drop.aspx 1-24-17 Refund 3-28-17 No refund
Refund Policy	https://go.dmacc.edu/registration/Pages/refund.aspx
Support Services	
Services for Students with Disabilities	https://go.dmacc.edu/student_services/disabilities 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.
Early Alert Referrals	https://www.dmacc.edu/counseling/Pages/facultyreferrals.aspx 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 .
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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