

Campus Name: Ankeny

Course Title: Electronic Circuit Analysis II Lecture

Course Number: ELT 387

Section Number & CRN: Sec 1 CRN 20680

Instructor Information

Name	Brad Luhrs
E-mail Address	bjluhrs@dmacc.edu
Phone Number	515-965-7040
Office Location	Building 3W Room 37 Office 37I
Office Hours	Posted on Office
Instructor Introduction	30+ years of manufacturing experience

Course Information

Semester & Year	Spring of 2017
Date Syllabus Created and/or Revised	1/6/2017
Days & Time & Location	MW 12:50pm – 2:15pm Room 51 in building 3W
Course Description & Credits	https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx Deals with principles and electrical properties of semi-conductor diodes, transistors, integrated circuits and integrated circuit amplifiers, complete with mathematical analysis of equivalent circuits and their evaluation.
Prerequisites	Prerequisite: ELT 383, 384. Corequisite: ELT 388
Course Competencies	https://www.dmacc.edu/competencies
Course Overview	Show up, answer all questions, form study groups
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. This is a fast paced, hands-on course. 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	Require course for related ELT degrees.
Textbooks & Materials	
Required Textbooks & ISBN	Electronics Fundamentals circuits, devices, and applications by Thomas L. Floyd & David M. Buchla (Eighth Edition) ISBN-13: 978-0-13-507295-0
Required Materials	Calculator, & book
Optional or Recommended Books/Materials	There are many resources in the library and on line that can present the material in different ways. If you are having problems understanding the material presented in class, try these resources.
Software Applications	In class software
Course Policies	
Attendance	Participation is a factor for grading. Once a student has four absences, 10% is deducted from the grade. Any student more than 10 minutes late will receive an absence. Students with two or less absences will receive a 5% addition to their overall grade point at the end of the semester. If a student demonstrates habitual tardiness, they will be referred to a student counselor and possibly be removed from the class.
Grading Criteria	<p>Your grade for the course is based on homework, quizzes, and tests.</p> <p>Tests (homework) will be worth 60%. Homework will be worth 20% of the grade. Quizzes will be worth 10% of the grade. Participation: (4 or more absences -10%) (2 or less absences +5%)</p> <p>Remember: Good class participation is worth <u>an extra 5pts on top of your grade.</u></p> <p>Therefore, your best chance of getting an “A”, is to be here on time for the full class time, not missing quizzes, answering all questions in your lab & homework, doing well on your tests, and knowing how to use the software package for circuit layout.</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.dmacc.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 - <u>No gaming or social media allowed.</u></p> <p>Any violations will result in being asked to leave the classroom for the duration of the class.</p>
Missed Exams	<p>It is the student's responsibility to notify me of your absence <u>prior</u> to the regularly scheduled labs or testing times to determine an alternative time. Failure to do so may result in the loss of some or all points on the test.</p> <p>Quizzes cannot be made up and the resulting quiz grade will be a zero.</p>
Late Assignments	<p>You have one week to finish assignments from when they were assigned. Late work will not be assigned full points. Assignments later than one week <u>will be penalized 25% every day past the due date.</u> Failure to complete a make-up assignment within the instructor's designated time shall be grounds for failure of that assignment.</p> <p>Work received the week of finals will not be accepted.</p>
Extra Credit	TBD
Study Expectations	<ol style="list-style-type: none"> 1. DO THE ASSIGNED AND ANY SUGGESTED PROBLEMS ON TIME. 2. Talk to me before and any issue becomes a problem. 3. Form and use study groups. 4. Don't get behind; keep up with the reading & homework. 5. Come prepared to think and actively participate in class. 6. No logging into social media or playing games on any electronic device during class time.
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	Class cancellations will be posted on the class room door. An email will be sent as early as possible once a class has been cancelled.
Academic Dishonesty/Plagiarism	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/academicmisconduct.aspx or in the DMACC Student Handbook.
DMACC Information	
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	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.

This workforce solution is funded by the IHUM Consortium which is 100% financed through a \$15,000,000 grant from the U.S. Department of Labor's Employment & Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

