

Campus Name: Ankeny

Course Title: Digital Electronics Lab

Course Number: ELT 324

Section Number & CRN: Sect 2 / CRN 14078

Instructor Information

Name	Brad Luhrs
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Office Location	Building 3W Room 37 Office 37I
Office Hours	Posted on office door

Course Information

Semester & Year	Fall 2016
Date Syllabus Created and/or Revised	8/24/2016
Days & Time & Location	T/R 9:40 am – 11:30 am Room 41 Building 3W
Course Description & Credits	https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx
Prerequisites	None
Course Competencies	https://www.dmacc.edu/competencies
Course Overview	Laboratory Evaluation of small-scale integrated circuits and medium scale integrated circuits. In addition to basic AND/OR gates, it includes decoders, encoders, counters, multiplexers, and microprocessors.
Study Tips	Read labs before class. Keep up with the labs, don't get behind. If you get behind, use free time to finish up your lab. Don't finish your lab during the beginning of a new lab.
How the Course Fits into the Curriculum	Required core class.

Textbooks & Materials

Required Textbooks & ISBN	Digital Systems : Principles and Applications Lab Manual 11th Edition ISBN -13: 978-0-13-512395-9
Required Materials	Wire cutter, Wire stripper – 22ga, Alligator Clip Test Leads / Long nose pliers
Optional or Recommended Books/Materials	Magnifying glass / Calculator TI-30A or TI-36X (recommended)
Software Applications	Supplied by school
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	Class participation is not a negative factor for grading. However, good participation is worth an extra 5pts. Not all information is covered in the textbook. It is your responsibility to get class notes from classmates for missed classes.
Grading Criteria	<p>Straight point system.</p> <p>Your grade for the course is based on homework and quizzes. Lab work will be worth 90% of the grade. Quizzes will be worth 10% of the grade.</p> <p>Good class participation is worth <u>an extra 5pts</u> on top of your grade.</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, doing well on your lab final, and knowing how to use the lab equipment.</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.</p>
Missed Exams	<p>No exams. Quizzes will be in the first 15mins of class.</p> <p>Quizzes cannot be made up and the resulting quiz grade will be a zero.</p>
Late Assignments	<p>Assignments turned in after 1 week from the start of the lab will not be accepted for credit. No labs will be accepted at the beginning of fall finals.</p>
Extra Credit	TBD, & Participation Points

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. Turn off and put away cell phones and other electronic devices when you enter the classroom.
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>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.</p>
Academic Dishonesty/Plagiarism	<p>If you are to benefit from this class and be properly evaluated for your contributions, 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. Work that violates these values is incompatible with the goals of this class and will not be tolerated. Students who are found responsible for a violation of the Academic Misconduct Policy will receive an "F" (Failing grade for the test or assignments and potentially a failing grade for the course.). Students have the right to appeal and may do so by following the procedures described in the Academic Misconduct policy.</p>
Course Specific (lab) Safety Procedures	<p>To be discussed in class. No open toed shoes, safety glasses and common sense.</p>

DMACC Information	
Add/Drop Dates	https://go.dmacc.edu/registration/pages/add_drop.aspx Nov 4 th 2016 is the last day to drop without impacting your grade.
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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