

Campus Name: Ankeny

Course Title: Digital Electronics (Lecture)

Course Number: ELT 325-2

Section Number & CRN: Sect 2 / CRN 12869

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 8:05 am - 9:30 am Bldg 3W Room 20
Course Description & Credits	https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx
Co-requisite	ELT 324 (Lab)
Course Competencies	https://www.dmacc.edu/competencies
Course Overview	An analysis of those circuits that form basic building blocks for a digital system, including logical gates, such as OR, NOR, AND, NAND, storage registers, counters, and microprocessors.
Study Tips	The following are some items to consider detailing for students: To do well in this class, you must do your homework regularly. 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 <u>three hours</u> of study time for each contact hour. This is a fast paced, hands-on course. It is realistic to expect to spend at least 4 hours per week studying for this class. If you miss any lecture, it is <u>your responsibility</u> to obtain the notes from a classmate 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	Required core class.

Textbooks & Materials

Required Textbooks & ISBN	Digital Systems (Subscription), 12th Edition Tocci, Widmer & Moss ISBN-13: 9780134220147
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Required Materials	Textbook, Paper. BRING THESE MATERIALS TO EVERY CLASS PERIOD UNLESS OTHERWISE INSTRUCTED
Optional or Recommended Books/Materials	Scientific calculator, Basic Tools (pencil, etc), Appropriate attire is required for class.
Software Applications	Software will be provided.
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 not mandatory; however, homework must be turned in by the beginning of class that it is due. All quizzes will be completed within the first 15mins of class.</p> <p>Quizzes cannot be made up!</p> <p>Show up and be mentally and physically capable of learning!</p> <p>Unannounced quizzes are possible at <u>ANY TIME!</u></p>
Grading Criteria	<p>Your grade for the course is based on homework, tests, and quizzes. Homework will be worth 15% of the grade. Quizzes will be worth 15% of the grade. (3) Tests will be worth 70% 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 <u>will</u> 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.dmacc.edu/handbook</p> <p>Students will be expected to conduct themselves in a professional manner.</p> <p>Classroom visitors are welcome if pre-approved and will not disrupt class in any way.</p> <p>Weapons are not to be brought on campus. Loud or profane language, threats and or any type of violence or behavior that disrupts the educational environment is unacceptable and shall be dealt with according to DMACC Board Policy CM 1001, 2021. All students have a right to learn in a non-threatening environment. Behavior that jeopardizes this right will not be tolerated.</p> <p>DMACC is a no smoking campus by law. Please don't smoke on campus.</p> <p>Cell phones shall not be used in the classroom. They disrupt the learning process. Please turn off your cell phone's ring prior to class. If you have an emergency call, please have the caller contact the general ATC number 964-6500 and you will be contacted by them. Pagers should also be turned off so as not to disrupt the class.</p> <p>Please note: All campus computers can be monitored; class computer content can be projected onto the main screens in each room. So please keep the personal use to a minimum while the class is in session.</p>
Missed Exams	<p>You may only make up one exam, due to an excused absence. You should notify me of your absence <u>prior</u> to the regular schedule testing time. Missing exams that are not made up within 1 day will result in a 5% deduction, and two or more days (not to exceed 7 days), will result in a 10% deduction.</p> <p><i>Any exam not made up before 7 days late, will not be counted.</i></p>
Late Assignments	<p>Work received a week late is worth 0% of the original value.</p> <p>Homework 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. Turn off and put away cell phones and other electronic devices when you enter the classroom.

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	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	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.
Course Specific (lab) Safety Procedures	Watch out for papercuts, eraser burns, bruised foreheads.
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	<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>
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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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