Instructor: Qi Cheng (qcheng@ou.edu)

Class time and location: Dale Hall (DAH 0122), 00:00 PM - 01:15 PM (TR).

Office hours: T 1:30-3 W 10:30-12 (@DEH 254)

Teaching Assistants: Zahra Sadri (zahra.sadri@ou.edu) and Xuecheng Chen (xuecheng.chen@ou.edu)

Learning Goals: Students will study fundamental elements of hardware and software, including logic formula and gates, sets, sequences, circuits, and functions. Successful students will be able to apply mathematical logic to verify properties of hardware and software.


References: Proofpad (http://proofpad.org)

Required Work: Homeworks are due at the beginning of class. Please submit your homework at https://canvas.ou.edu. Late homework will not be accepted without advance approval. The final grade consists of
- Quiz 30%
- Homeworks 20%
- Midterm 20%
- Final Examination 30%
Your least quiz score will be dropped. No make-up quiz can be provided. Students are expected to study the chapter before a lecture.

ABET goals: A, J.

Accommodation: The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

Academic Misconduct Policy: Integrity in all aspects of scholarship is essential to the University's mission. The Academic Misconduct Code sets forth the rights and responsibilities of all students on the Norman Campus regarding academic integrity, and provides the procedures to be followed in cases of suspected misconduct. Academic misconduct is defined as any act which improperly affects the evaluation of a student's academic performance or achievement. It specifically
includes cheating, plagiarism, fabrication, fraud, destruction of property, and bribery or intimidation, as well as assisting others or attempting to engage in such acts. It is the responsibility of each student to be familiar with the definitions, policies and procedures concerning academic misconduct; unfamiliarity with the code alters none of a student's rights or responsibilities thereunder. The Academic Misconduct Code is printed with the Student Code and is also available at [Academic Misconduct Code (PDF)].

**Religious Holidays:** It is the policy of the University to excuse the absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional required classwork that may fall on religious holidays.

**Adjustments for Pregnancy/Childbirth Related Issues:** Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact me as soon as possible to discuss. Generally, modifications will be made where medically necessary and similar in scope to accommodations based on temporary disability. Please see [http://www.ou.edu/content/eoo/pregnancyfaqs.html](http://www.ou.edu/content/eoo/pregnancyfaqs.html) for commonly asked questions.

**Title IX Resources:** For any concerns regarding gender-based discrimination, sexual harassment, sexual misconduct, stalking, or intimate partner violence, the University offers a variety of resources, including advocates on-call 24/7, counseling services, mutual no contact orders, scheduling adjustments and disciplinary sanctions against the perpetrator. Please contact the Sexual Misconduct Office 405-325-2215 (8-5) or the Sexual Assault Response Team 405-615-0013 (24/7) to learn more or to report an incident.