

CDA 4203L Sec 001/901/902/903
Computer System Design Lab
Spring 2018

Instructor: Dr. Srinivas Katkoori
Office: ENB 258
Office Hours: MW 1:00 - 2:30 pm
Phone: 974-5737
Email: katkoori@mail.usf.edu

Teaching Assistants: The TA's will hold their office hours in C4 Lab.

| | | |
|----------------|------------------------|---------------------------|
| TA: | Rohith Prasad Challa | Sai Praneeth Sagi |
| Office: | ENB 220 TR 2 - 3:15 pm | ENB 220 MW 2 – 3:30 pm |
| Email: | challa1@mail.usf.edu | saipraneeth1@mail.usf.edu |

Class Room & Timings: ENB 220

Sec 001: TR 3:30 – 4:45 pm Sec 901: TR 5:00 – 6:15 pm
Sec 902: TR 6:30 – 7:45 pm Sec 903: MW 5:30 – 6:45 pm

Co-requisite: Computer System Design (CDA 4203)

Grade Distribution: Labs: 50% Final Project: 50%

Grading Policy:

| | | | |
|-------------------|------------------|-------------------|-----------------|
| A-: 87-90% | A: 90-95% | A+: > 95% | |
| B-: 77-80% | B: 80-84% | B+: 84-87% | |
| C-: 65-70% | C: 70-74% | C+: 74-77% | F: < 65% |

Labs (Tentative Schedule):

| Lab# | Lab Title |
|------|------------------------------|
| 1 | Arithmetic Logic Unit (ALU) |
| 2 | Programmable BCD counter |
| 3 | Programming an FPGA device |
| 4 | Finite State Machines (FSMs) |
| 5 | FSM Data path (FSMD) |
| 6 | Loopback UART/RS232 |
| FP | Final Project |

Course Policies:

Canvas: We will use Canvas extensively for: (a) course related announcements; (b) lab assignments; (c) lab assignment and hints solutions; (d) final project, etc. You are strongly advised to regularly monitor the course homepage.

Email Alias: Use cda4203@cse.usf.edu to communicate with the instructor and TA's.

Lab Reports: The lab reports will be accepted in PDF format only.

Late Work: Late lab assignments will not be accepted.

Class Attendance: You are expected to attend all labs, though no record of attendance will be maintained.

Class Absence: You are responsible for all the material that is covered in the lab. If you are absent from a lab (whatever may be the reason), you are responsible to learn from your colleagues or Canvas about what has been covered/announced in the missed lab.

Cheating: Academic dishonesty will not be tolerated and the student, in question, will be dealt in accordance with the University policies. Some examples:

- Copying solution from another student
- Out-sourcing or buying ready-made solution(s)

Independent Work: For labs with no teaming, you are expected to work independently. While general discussion is allowed with other students, detailed solutions should not be discussed, exchanged, or compared.

Teaming: **Where teaming is allowed**, you can team up *with at most two students in the class* i.e., each team can have no more than 3 students. For team labs and final project, submit only one report per team. You may team up with members of different lab sections.

Special Accommodations: If you need any special accommodation according to the American Disability Act, please let me know.

Incomplete Grade: Incomplete (I) grades will not be given in this course. Your final grade will be decided on the completed work by the end of the semester.

Final Grade Curving: Depending on the clusters of grades, I may curve the grades.

Final Project Demo: The final project must be demoed by your team during the exam week.

Drop Date without Academic Penalty: Saturday, 24th March

Religious Observances: Students who anticipate the necessity of being absent from class due to the observation of a major religious observance must provide notice of the date(s) in writing by the second class meeting.

IMPORTANT NOTE: Emergency Situations in the event of an emergency, it may be necessary for USF to suspend normal operations. During this time, USF may opt to continue delivery of instruction through methods that include but are not limited to: Canvas, Elluminate, Skype, and email messaging and/or an alternate schedule. It's the responsibility of the student to monitor Canvas site for each class for course specific communication, and the main USF, College, and department web-sites, emails, and MoBull messages for important general information.