1. **COURSE**: Automata and Formal Languages
   Lecture: TR 11:00-12:15 WEBB 1100
   Discussion:
   08847 M 5:00-5:50 pm GIRV 2127
   08854 M 6:00-6:50 pm PHELP 1425

2. **INSTRUCTOR**: Ömer Egecioglu, omer@cs.ucsb.edu
   2115 HFH, x–3529, Office hours: TR 2:00-3:00 pm or by appointment.

3. **TEACHING ASSISTANT**:
   Burak Kadron, kadron.burak@gmail.com, Office hours: F 1:00-3:00 pm, Trailer 936
   Mahnaz Koupaee, koupaee@ucsb.edu, Office hours: W 3:00-5:00 pm, Trailer 936


   There will be a copy of the textbook available for 2 hour checkout at the Davidson library.

5. **SOME REFERENCE MATERIAL FOR CS 138**
   
   
   

6. **COURSE OUTLINE**: Topics to be covered include: introduction to formal languages, finite automata and regular expressions, properties of regular languages, non-determinism, context-free grammars, properties of context-free languages, machine models, pushdown automata, introduction to Turing Machines, decidability.

   Please check the course homepage
   
   [www.cs.ucsb.edu/~cs138](http://www.cs.ucsb.edu/~cs138)

   frequently for homeworks, solutions, announcements, the outlines of the lectures, schedule adjustments, etc. We are going to use Piazza for discussions, Q&A about this class. Please sign up here:

   [piazza.com/ucsb/fall2017/cs138](http://piazza.com/ucsb/fall2017/cs138)
7. ASSIGNMENTS : There will be 8 written homework assignments. All completed homework assignments are to be turned in at the 138 HW Box in Harold Frank Hall, room 2108. **Sorry, no late homeworks.**

Homeworks are due by 4:00 pm on the day due as indicated below. They will be posted on the class website by the evening of Tuesday, a week before their due date:

Homework 1 is posted Tuesday October 3, due Tuesday October 10
Homework 2 is posted Tuesday October 10, due Tuesday October 17
Homework 3 is posted Tuesday October 17, due Tuesday October 24
Homework 4 is posted Tuesday October 24, due Tuesday October 31
Homework 5 is posted Tuesday November 7, due Tuesday November 14
Homework 6 is posted Tuesday November 14, due Tuesday November 21
Homework 7 is posted Tuesday November 21, due Tuesday November 28
Homework 8 is posted Tuesday November 28, due Tuesday December 5

8. EXAMS : There will be a midterm exam and a final exam. The exams are based on the material covered up to the day of the test in the lectures and discussion sessions. The midterm exam is tentatively scheduled for **Thursday, November 2.**

The final exam for the course is on **Wednesday December 13, 12:00-3:00 p.m.** All exams are closed book.

**Please note that there will be no makeup exams.**

9. GRADING POLICY :

Assignments: 40/100, Midterm exam: 25/100, Final exam: 35/100.

Regrade requests for homeworks and exams must be made within a week.

10. IMPORTANT UCSB POLICY : You are required to work on the homework assignments on your own. Please check the policies for expected student conduct of the UCSB catalogue. Note that in particular “It is expected that students attending the University of California understand and subscribe to the ideal of academic integrity, and are willing to bear individual responsibility for their work. Any work (written or otherwise) submitted to fulfill an academic requirement must represent a student’s original work. Any act of academic dishonesty such as cheating or plagiarism, will subject a person to University disciplinary action. Using or attempting to use materials, information, study aids, or commercial “research” services not authorized by the instructor of the course constitutes cheating. Representing the words, ideas, or concepts of another person without appropriate attribution is plagiarism. Whenever another person’s written work is utilized, whether it be single phrase or longer, quotation marks must be used and sources cited. Paraphrasing another’s work, i.e., borrowing the ideas or concepts and putting them into one’s “own” words, must also be acknowledged. Although a person’s state of mind and intention will be considered in determining the University response to an act of academic dishonesty, this in now way lessens the responsibility of the student.”