Data Structures & Algorithms II -- CS 241, Summer 2016

Dr. Fang (Daisy) Tang  
Office: Room 8-11  
Phone: (909) 869-2157  
Email: ftang@cpp.edu  
URL: www.cpp.edu/~ftang/  
Office Hours: T/Th: 2:00pm – 3:00pm (8-11).

Time and Place: T/Th, 9:00am -- 12:50pm, Room 8-345

Class Website: www.cpp.edu/~ftang/courses/CS241/

Class Email List: cs24101@cpp.edu

Course Description: Trees, priority queues, graphs, sets, and maps. Sorting algorithms.

Required Textbook:

References:

Prerequisites: CS 240 with a grade C or better, or consent of instructor.

Exam Dates:
• Midterm: Aug. 16 (Tuesday), class time (tentative schedule).
• Final: As scheduled by the university: Sept. 1 (Thursday), 9:10am – 11:10am.

Evaluation:
Grading will be based on two exams, projects/homework, and quizzes.

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm</td>
<td>30%</td>
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<tr>
<td>Final</td>
<td>35%</td>
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<tr>
<td>Projects/Homework</td>
<td>30%</td>
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<tr>
<td>In-Class Exercises</td>
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Note that the instructor reserves the right to curve the grades upwards if it’s appropriate.
Programming Projects Policies:

- **Project handouts:** Programming assignments will be posted on the course website, along with the due dates. There will be about three programming assignments.

- **What to submit?** Please refer to the standard project format on the course website.

- **Due dates and late submission:** Project assignment (submission via email) is due at 23:59:59 on the assigned due date. Each late submission will incur a 10 points penalty per day. The final lab must be turned in ON TIME. No late lab will be accepted for the final lab. Any lab violates the above rules will receive zero credit.

- **Email policy:** If you send email to me, please be sure to include your name, username and the course number in the body of the e-mail. You should also use an appropriate subject line that looks like **CS241 Project 2** or whatever the appropriate issue that you are asking a question about.

- If you don’t check your email at your Cal Poly account, you may forward your mail to your desired email-account by setting up a forward file in your login directory. By putting your desired email address in this file, all your email will automatically forward to this address. I will only send email to your **username@cpp.edu** account and I will not be responsible for any delay in your email. If you use other email accounts to contact me, the emails might end up in the junk box automatically, which may result in delayed response.

- This course will use Java programming language on the Cal Poly’s intranet system. The intranet is accessible in the following ways:
  - Using the Windows PC machines in the CS department lab (8/52)
  - Connecting via telnet from a machine on the internet (you can only telnet into the Sun workstations)
  - For further information about the CS department Computer Lab and all the above, check this web page: [https://www.cpp.edu/~sci/computer-science/student-labs/index.shtml](https://www.cpp.edu/~sci/computer-science/student-labs/index.shtml).

Class Policies and Support:

- **Class attendance and participation:** Class attendance will be taken randomly. Class participation includes speaking in class during the discussion, asking course-related questions, answering questions, etc. Decisions on borderline grades will be based upon exceptional attendance and participation. In the event of an absence, it is the student’s responsibility to learn the course material and announcements covered in class. Lectures will not be repeated during office hours. If you really have to miss a class, please inform the instructor ahead of time by email.

- **Collaboration policy:** Discussing and exchanging ideas is encouraged. You may help each other with your strategy for how to solve a problem. However, copying from outside sources (e.g., other students, Internet, etc.) on any material to be graded is not permitted and will be considered cheating. Cheating may result in failure of the assignment/exam and/or failure of the class. The University’s policy on Academic Integrity, as stated in the catalog, will be enforced.
• **Exams:** Unless otherwise specified by the instructor, the midterms will include all material covered in lectures up to the date of the midterm, and the final exam will be comprehensive, covering material from the entire course. The final exam will be held during final exam week. The rescheduling of exams must be arranged at least one week in advance. The new schedule of the exam will be a day or two earlier than the original scheduled day. Exams missed without prior permission will be given a grade of zero.

• **Quizzes:** Quizzes will be usually given at the beginning of class. Since the lowest quiz score will not be counted, there will be no make up for any missed quizzes.

• **Grading correction:** Bring any project or exam grading correction requests to the instructor within 1 week of receiving the grade, or before the end of the quarter, whichever comes first. After that, your grade will not be adjusted. If you find a mistake in grading, please let the instructor know. Your grade will not be lowered.

• **Announcement responsibility:** Important announcements, schedule revisions, etc., will be posted to the class email list and on the course website. You are responsible for information distributed to this email list and the course website. You are also responsible for short announcement during class session.

• **Cell phones:** You may have cell phones in class, but they must be on mute and not answered until the end of class.

• **Student access:** Cal Poly Pomona is committed to student success. Students with disabilities are encouraged to contact the instructor privately or the Disability Resource Center (909-869-3333, Building 9-103) to coordinate course accommodations.

**Course Outline:**

*(Please refer to the class website for more details.)*