Homeworks

- Homework is due on Fridays at 2:30pm.
- Homeworks 1, 2 and 3 are to be done online on http://prairielearn.engr.illinois.edu.
- Homeworks 4 and subsequent are written assignments.

PrairieLearn homework instructions

- For credit, you must do the online homework problems before the respective Friday 2:30pm deadline.
- The problems will remain open after the deadline, but for zero additional credit.
- The problems are randomized. In most cases, you must get the answer correct multiple times to obtain full credit.
- The more consecutive times you get the answer correct, the faster your point total grows.
- You should aim to master these problems, so that you can get them correct the first time on the PrairieLearn midterms.

Written homework instructions

Written homework is due on Fridays at 2:30pm in the ECE 120 mailboxes located opposite 3026 ECEB. Make sure you submit your work into the proper mailbox, or you may risk losing points.

- We will not accept late homework.
- We will not grade a homework that is not stapled.

If you do not follow these instructions, you may get zero points on your homework.

- Write your name, netid, discussion section (e.g. AD1), and assignment number (e.g., HW4) in the top right corner of the first page.

If you do not follow these instructions, you may lose points on your homework.

- If you take pages from a spiral notebook, trim the ripped edges.
- Staple all pages together in the top left corner.
- Put the answers to the questions in order (i.e. book problem 1, book problem 2, X1, X2).
- Write your answers legibly in pencil or pen, but do not use red ink.
- Show your work.

Written homeworks will be returned back to you in your discussion session on Thursday. The grade will be posted in Compass.

Homework assignment list

<table>
<thead>
<tr>
<th>#</th>
<th>Topic</th>
<th>Type</th>
<th>Lead TA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Binary Representations and Abstraction</td>
<td>PrairieLearn</td>
<td>Matt Peretic</td>
</tr>
<tr>
<td>2</td>
<td>Arithmetic, Logical Operations and Representations</td>
<td>PrairieLearn</td>
<td>Huiren Li</td>
</tr>
<tr>
<td>3</td>
<td>Introduction to C Programming</td>
<td>PrairieLearn</td>
<td>Zhaoheng Hu</td>
</tr>
<tr>
<td>4</td>
<td>CMOS logic, boolean expressions, minimization</td>
<td>Written</td>
<td>Ruby Zhuang</td>
</tr>
<tr>
<td>5</td>
<td>Boolean algebra and two-level design</td>
<td>Written</td>
<td>Wanzheng Zhu</td>
</tr>
<tr>
<td>6</td>
<td>Design of combinational logic circuits</td>
<td>Written</td>
<td>Huiren Li</td>
</tr>
<tr>
<td>7</td>
<td>Design with components, sequential logic elements and FSM analysis</td>
<td>Written</td>
<td>Yu-Hsuan Tseng</td>
</tr>
<tr>
<td>8</td>
<td>Sequential logic, synchronous design</td>
<td>Written</td>
<td>Wanzheng Zhu</td>
</tr>
<tr>
<td>9</td>
<td>FSM design and implementation</td>
<td>Written</td>
<td>Spencer Offenberger</td>
</tr>
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Note: All homeworks are weighted equally when calculating the average, even though the raw totals may be different.

**Written homework re-grading**

First, make sure you have read and understood the Course Overview and Policies.

You can get a written homework assignment re-graded if:

- We forgot to grade a question.
- It looks like the grader missed a diagram, table, etc. that helped to explain your answer.
- You think the graders did not understand or misinterpreted your explanation.
- We took off some points from your perfectly correct answer for no apparent reason.

How to get an assignment re-graded:

- First, check the solutions. If your answer doesn't agree with the answer key, generally you won't get more points. Ask a TA how to do the problem if you still don't understand why your answer is wrong.
- If your answer is mostly/partially/completely right, write one or two sentences on a SEPARATE piece of paper explaining which question(s) deserves more points and why. (The only exception is if the graders mis-totaled your paper or just typed the wrong number into Compass. Then just write "miss-add" at the top of the assignment.)
- Staple your explanation to the original homework and return the whole thing in the course mailbox before the posted deadline. **This date is not extended if you do not claim your work on time.**
- Note: Just because you ask for a re-grade does not guarantee you will get more points. Also, any additional writing (extra explanations, the correct answers, editing) on your actual assignment means we WILL NOT re-grade it, and will be considered a violation of academic integrity.