ECE 313: Lecture 4

Binomial coefficients (cont.) =
$$\begin{pmatrix} x \\ k \end{pmatrix}$$
 $\begin{pmatrix} x \\ k \end{pmatrix}$ $\begin{pmatrix} x \\ k \end{pmatrix}$

(Short Anger Question) "ILLINI" randomly ordered, all likely What prob no position has the pane letter as original order $P(E) = \frac{|E|}{|\Omega|}$ original I L L I N I $\mathcal{R}\left(\mathcal{E}\right) = \frac{3 \cdot 3! \cdot 2!}{\mathcal{C}!}$

Study Guide for ECE 313:

- 1. Attend lectures
- 2. Study textbook
- 3. Solve SAQ (Short Answer Questions) on the textbook,
 THEN watch the video (links in the textbook) for the explained answer
- 4. Solve even numbered problem on the textbook,

THEN check the solutions at the end of the textbook

Working on #3 and #4 are homework assignments. Check the course webpage for specific assignment each week. If still stuck or not clear about #3 and #4 then

5. Go to office hours and guided study sessions, asking instructor/TA for direct explaination