Wednesdays — Bryan 509
  * Topics usually not in AP courses but are in 131

Fridays — Wilson 214
  * First half — Quiz
  * Seminar talks

Same grading scale as 131
131x students will be excused from some labs

Exams — 2nd chance
Programming ≠ Computer Science

Algorithmic thinking:

Problem: Soccer Cancellation Problem

Given: N players + a coach
each person has team roster
names + phone numbers
Problem: Soccer Cancellation Problem

Given: \( N \) players and a coach, each person has team roster names and phone numbers.

Divide team into subsections of size 5.

Round \( k \):
- \( \log_2 N \) = power of 2 to get \( N \)
- \( \frac{N}{5} + 3 \)
- \( N \log_2 N + 1 \)

Measure: Total running time (#sequential calls):
- Total \( N \) \( \frac{N}{5} + 3 \) \( \log_2 N \) \( N \log_2 N + 1 \)

Max work per person (#calls):
- \( N \) \( \frac{N}{5} \) \( \frac{N}{2} \) \( 1 \)