Web site, contact, & class info

Canvas: https://rutgers.instructure.com/courses/210868
web: https://people.cs.rutgers.edu/~pxk/
mirror: www.pk.org/417
email: pxk@cs.rutgers.edu
phone: +190.87.99.88.89
• No textbook for the course

• Course reading material
  – Lecture notes
  – Lecture slides
  – Published papers
  – Web documents
Policy

• **Short programming assignments**: ~3
  – Individual assignments
  – Due *prior* to the due date/time

• **Almost-weekly written assignments**
  – Most likely multiple choice or short answer on Canvas
  – Due *prior* to the due date/time

• **Collaboration & academic integrity**
  – Individual assignments – no copying!
  – All suspected violations will be reported to the Academic Integrity office

• **Attendance & Excuses**
  – I expect you to come to class
  – If any events keep you from doing your coursework, let me know before the end of the semester

See [https://pk.org/417/policy.html](https://pk.org/417/policy.html)
Grades

• Three exams
  – Normalized grades:
    \[
    \text{gpa} \approx 3.15 + \frac{(g - \bar{g})}{\sigma}
    \]
    \~ 60%
  + 1 final exam: lowest of four exam grades dropped

• ~Weekly written assignments \~ 20%

• ~3 Programming assignments \~ 20%

• Possible quizzes

*This is subject to change!!*
### What we’ll cover

Generally, one topic per week

<table>
<thead>
<tr>
<th>Faults</th>
<th>File systems: NAS, Parallel FS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication, RPC</td>
<td>Distributed lookup</td>
</tr>
<tr>
<td>Time</td>
<td>Transactions</td>
</tr>
<tr>
<td>Synchronization</td>
<td>Large-scale DB</td>
</tr>
<tr>
<td>Groups &amp; replication, consensus</td>
<td>Content delivery</td>
</tr>
<tr>
<td>Event streaming</td>
<td>Parallel computation</td>
</tr>
<tr>
<td>Security: authentication, &amp; communication</td>
<td>Clusters</td>
</tr>
</tbody>
</table>
What this course is *NOT*

- How to write web services
- How to use Azure, AWS, Google Cloud, etc.
- Big data analytics
- How to administer collections of computers
The End