Course Material

• Relational Databases
  – Query language (MySQL)
  – Theory (relational database theory)
  – Design (normalization, entity-relationship diagrams, indices)
    – Physical Implementation

• NoSQL
Course Material (cont)

• Scripting Languages/Web Programming
  – HTML
  – CSS
  – PHP: server side programming
  – JavaScript: Client side
    • Node.js: server-side
Course Personnel

• Brad Vander Zanden
  – Office Hours: M 1—12, T 4:15-5:15
  – email: bvanderz@utk.edu -- only personal things, like needing to miss an exam
TAs

• Contact info is on course web-site
Where to Find Things

• **web.eecs.utk.edu/~bvanderz/cs465:**
  – General Course Information
  – Assigned Readings
  – Lecture Slides
  – Homework Assignments

• **canvas:**
  – Homework and project submissions
  – Quizzes
  – Yellowdig Engage: Course announcements and discussions
    • do not send me email—post to yellowdig instead
Textbook

- Databases and Web Programming: ebook by Zyante
Grading

Grading Scale:

A: 90-100
B: 80-90
C: 70-80
D: 60-70
F: < 60

Pluses may be given for composite scores near the top of the range and minuses may be given for composite scores near the bottom of the range. I sometimes curve letter grades based on your final composite score.
# Elements of Your Grade

<table>
<thead>
<tr>
<th>Undergraduates (CS465)</th>
<th>Graduate Students (CS565)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework (20%)</td>
<td>Homework (20%)</td>
</tr>
<tr>
<td>Midterm (25%)</td>
<td>Midterm (20%)</td>
</tr>
<tr>
<td>Final (15%)</td>
<td>Final (15%)</td>
</tr>
<tr>
<td>Web Project (15%)</td>
<td>Web Project (15%)</td>
</tr>
<tr>
<td>Quizzes and Challenge Activities (15%)</td>
<td>Database Project (15%)</td>
</tr>
<tr>
<td>Participation Activities (10%)</td>
<td>Quizzes and Challenge Activities (10%)</td>
</tr>
<tr>
<td></td>
<td>Participation Activities (5%)</td>
</tr>
</tbody>
</table>
Key Dates

• Midterm: Thursday, Feb. 27
• CS565 projects due: Mon. Mar 30 @ 6am
• Web projects due: Fri. Apr. 24 @ 6am
• Final: Tues. Apr. 28, 2:45-4pm