Personnel

- **Instructor**
  - Pi-Chung Wang, pcwang@cs.nchu.edu.tw, 710
    - **office hours**
      - Wednesday 9:30-12:00 or by appointment

- **Teaching assistants**
  - TBD (721)
  - **office hours**
    - Check the course web page

Textbook

- **Textbook**
  - *Computer Networking: A Top-Down Approach Featuring the Internet*, 4/e by Kurose and Ross (歐亞書局代理)

- **Reference books**
  - *Computer Networks*, 4/e by A. Tanenbaum
  - *TCP/IP Illustrated, Volume I: The Protocols* by W. Richard Stevens

- **Resources**

What Are the Goals of This Course?

- Learn networking principles
- See how the principles apply to the Internet
  - its philosophy, architecture, applications, protocols, and challenges
What Will We Cover?

- Networking architecture and design principles
- Applications
  - application paradigms
  - HTTP, Email, DNS, P2P
- Transport
  - transport services
  - reliability; distributed resource allocation
  - transport protocols: TCP/UDP

What Will We Cover?

- Network
  - network services
  - distributed, asynchronous, autonomous routing algorithms; scalable router design
  - IP/IPv6; mobile IP; cellular networks
- Link Layer and Local Area Networks
  - Multiple Access Protocols
  - Hub and Switches
- Wireless and Mobile Networks
  - WiFi
  - Cellular

What Do You Need To Do?

- Your workload
  - Homework assignments (25%)
  - Quiz (25%)
  - Midterm (25%)
  - Finalterm (25%)

Grading

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework assignments</td>
<td>25%</td>
</tr>
<tr>
<td>Quiz</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm</td>
<td>25%</td>
</tr>
<tr>
<td>Finalterm</td>
<td>25%</td>
</tr>
</tbody>
</table>

More important is what you realize/learn than the grades!!