1. **Benefits of active exercises**
   - More student engagement
   - Increased collaboration
   - Increased peer-learning
   - Increased attendance

2. **Types of active exercises** (not a complete or definitive list)
   - Discussion
   - Writing
   - Examples
   - Problem-solving
   - Games or role playing

3. **Common questions**
   - Amount of time for exercises?
   - Group size?
   - Makeup of groups?
   - Assigned or self-grouped?
   - Same groups each meeting?
   - Drawing out introverted and shy students
   - Ensuring everyone has a chance to speak up
   - Present results to class, submit to prof, or unshared?

4. **Challenges**
   - Timing the class is harder with active exercises
   - The classroom infrastructure has a major affect
   - Encouraging collaboration can be challenging
   - Encouraging diversity of thinking
   - Changing your habits
   - Your interaction—deciding when to step in

5. **Example exercises** (illustrative from my classes)
   - SWE 632—User Interface Design and Development
     cs.gmu.edu/~offutt/classes/632/in-class/week3-eval1A.html
     cs.gmu.edu/~offutt/classes/632/in-class/week3-mentalModel.html
   - SWE 637—Software Testing
     cs.gmu.edu/~offutt/softwaretest/edition2/powerpoint/Ch07-1-2-overviewGraphCoverage-active.pptx
   - SWE 205—Software Usability Analysis and Design
     cs.gmu.edu/~offutt/classes/205/in-class/OOtM-Excise-example.html

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