

## Context

## In-Class-Activities (ICAs)

## Assessment

- **Degree:** M.S. Construction Management
- **Course:** Construction Cost Analysis and Control (BCN 5626)
- **Need:** Preparing students for complex construction industry challenges requires integrating the course content with research and professional practices

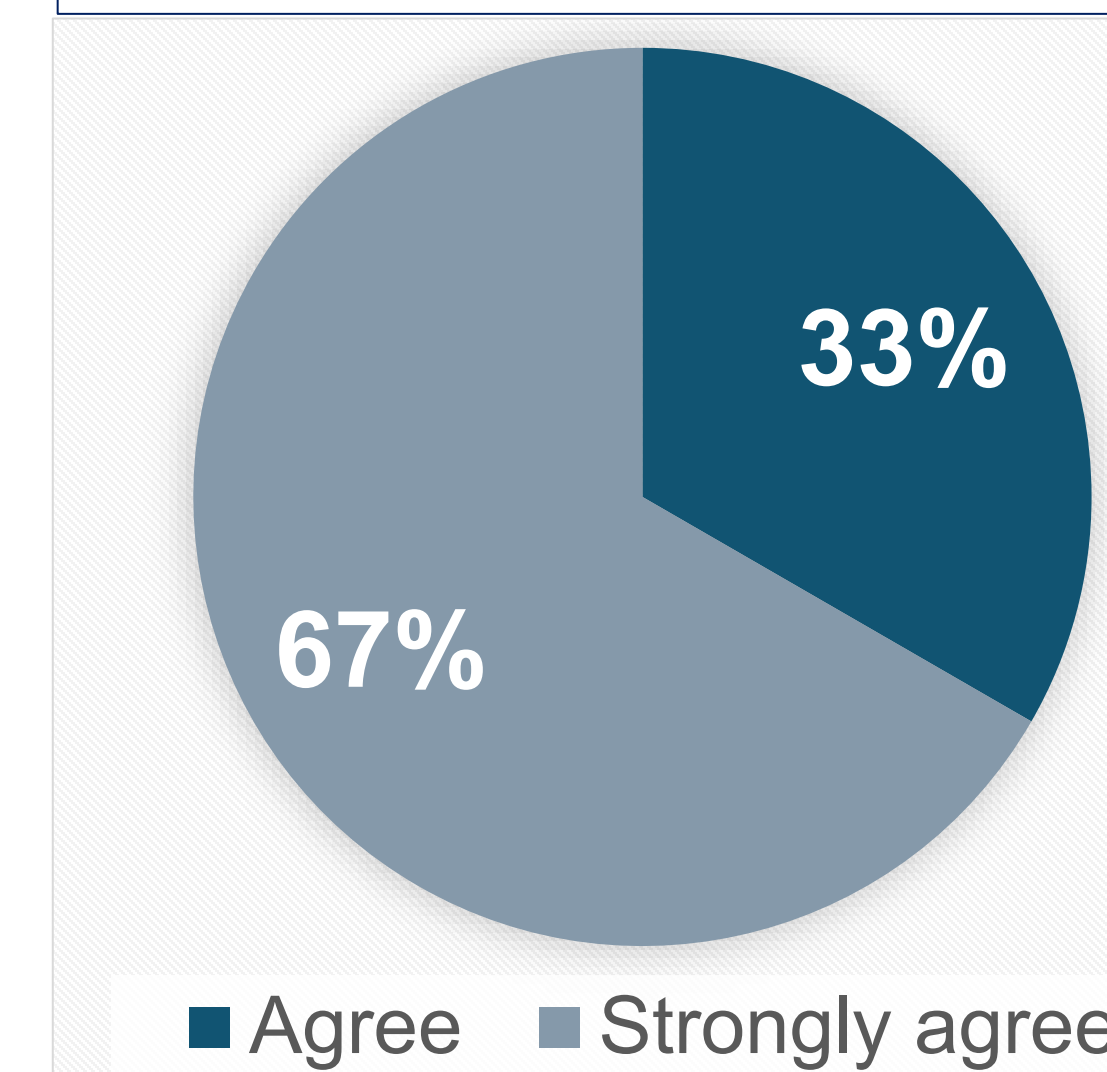
### Timeline & action-reflection model

Thursday	Monday	Wednesday
Students receive ICA instructions	Course session	Students submit self-reflection

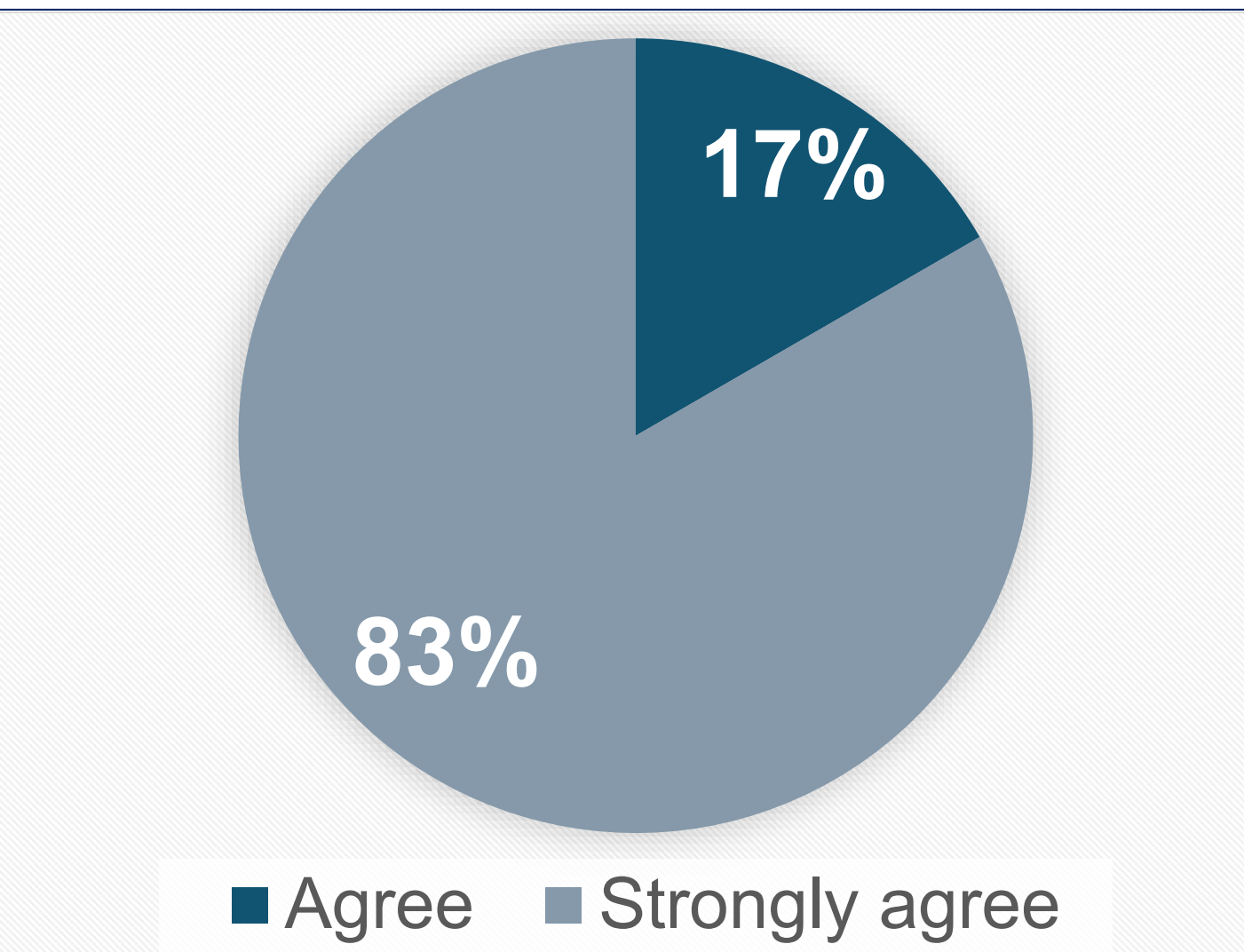
### Students survey. 67% response rate

To what extent you agree or disagree with the following statements

ICAs help me connect class content with real-world cases and experiences



ICAs support my active learning by FIRST taking action and, SECOND reflecting on the previous step and writing my reflection

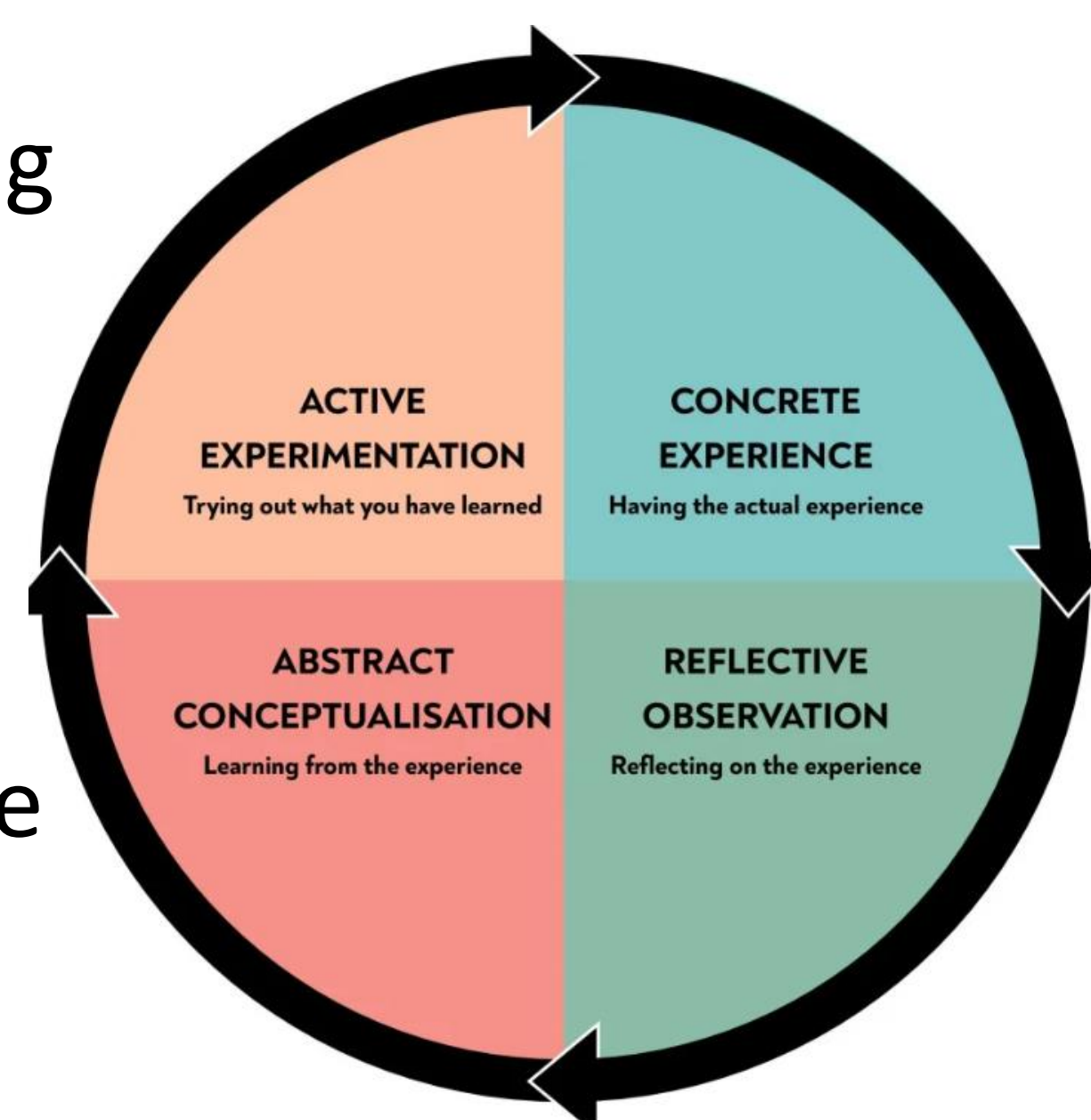


## Theoretical Foundation

### Experiential Learning Cycle by David Kolb

**Action:**  
What I do:  
Pre-class reading/listening to podcast + discussion.

**How it links with the cycle:**  
It is a concrete experience and provide an active engagement opportunity



Source: <https://www.simplypsychology.org/learning-kolb.html>

**Reflection:**  
What I do:  
Provide guiding questions (1) in the discussion and, (2) to reflect on the students' previous steps.

**How it links with the cycle**  
It is reflective observation that might lead to conceptualization

### ACTION REFLECTION

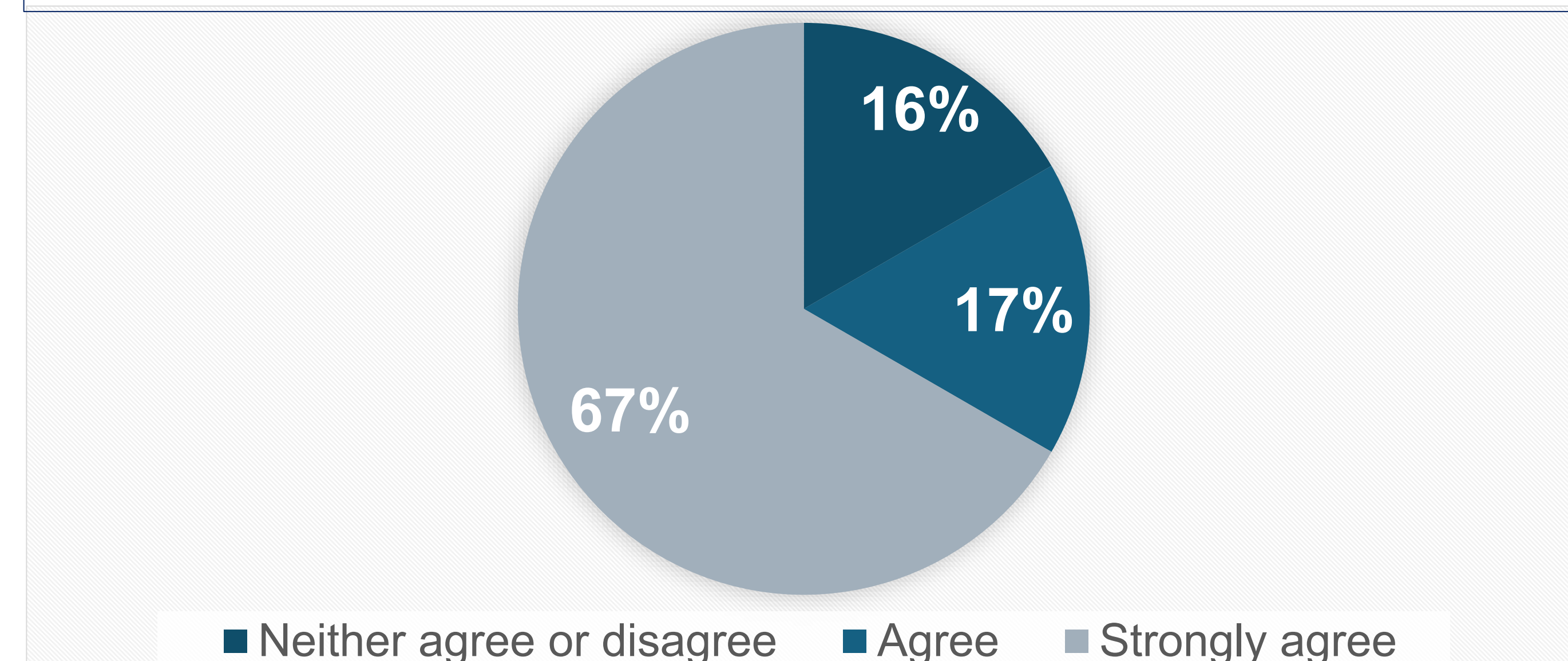
- |                                 |                                     |  |
|---------------------------------|-------------------------------------|--|
| ➤ Review research articles      | ➤ Attend guest speaker presentation | ➤ Reflect on actions taken <b>BEFORE</b> the course session and <b>IN</b> the course session |
| ➤ Listen to an industry podcast | ✓ In-class discussion               |  |

### ICA prompt examples

- Scan this QR code to access the prompts for three ICAs and their rubrics



ICAs are valuable assignments to support my learning in this course



## Next Steps

- Keep testing in next offering
- Consider students' feedback
  - E.g., "Linked ICA to small ongoing project where students work progressively"