



**United International University**  
QUEST FOR EXCELLENCE

# Common CL Techniques

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## Common CL Techniques

1. Five Minutes Review
2. Three-Step Interview
3. Think-Pair-Share
4. Numbered Heads Together
5. Jigsaw procedures
6. Team Pair Solo
7. Circle a Sage
8. Roundtable
9. Debate
10. Panel Discussion


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### 1. Five Minutes Review


- ▣ Used for concept development and retention
  - Teachers stop any time during a lecture or discussion
  - Give teams five minutes to review what has been said,
  - Teacher ask questions
  - Teams are pressure on sink or Swim


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### 2. Three-Step Interview


- ▣ Used to testing the level of knowledge
  - In the first step, a member interviews another for a few minutes about a topic.
  - In the second step, members switch roles, interviewer becomes interviewee.
  - In the last step, the team share their learning





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### 3. Think-Pair-Share


- ▣ Involves three steps:





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### 3. Think-Pair-Share


- ▣ Involves three steps:
  - In the first step, members think silently about a question posed by the instructor.
  - Member pair up during the second step and exchange thoughts
  - In the third step, the pairs share their responses with other pairs, own teams, other teams, or the entire group.




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### 4. Numbers Heads Together

- ▣ Useful for quickly reviewing material
  - Each member of a team is given numbers 1, 2, 3, 4..




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### 4. Numbers Heads Together

- ▣ Useful for quickly reviewing material
  - Each member of a team is given numbers 1, 2, 3, 4..
  - Questions are displayed on the slides/board
  - Each team work together to prepare the answer and try to make sure each member knows and able to answer verbally
  - Teacher calls out a number from a team to answer the question
  - Teams are pressure on sink or Swim

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### 5. Jigsaw Procedure



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### 5. Jigsaw Procedure


- ▣ Used for creating interdependence
  - Each member is assigned some unique material or different section of a chapter to learn and then to teach to his group members.
  - Example: 4ps of Marketing



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### 5. Jigsaw Procedure


- ▣ Used for creating interdependence
  - To help in this learning process, students across the class working on the same sub-section get together to decide what is important and how to teach it.
  - After practice in these "expert" groups the original groups reform and students teach each other.
  - Tests or assessment follows.



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### 6. Team Pair Solo


- ▣ Designed to motivate students to tackle and succeed at problems which initially are beyond their ability
  - Students solves problems first as a team, then with a partner, and finally on their own.



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### 7. Circle the Sage (Expert, Experienced)

- ▣ Student teaching methods
  - Teacher polls the class to see which students have a special knowledge to share or able to answer/solve a difficult problem
  - Those students (the sages) stand and spread out in the room.
  - Then, the rest of classmates surround those sages, making sure that no two members of the same team going to the same sage.
  - Members return and share their learning.



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### 8. Roundtable

- ▣ Used for brainstorming in case study solution
  - Teacher asks a question which has multiple answer and each member writes an answer and passes it on to the next member
  - Teacher displays the correct answer
  - Team with most correct answer rewarded. Teams reflect on their strategies and consider ways to improve

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### 9. Debate

- ▣ Used for having a 360 degree view of a topic
  - Teams are given a position to defend, and then asked to present arguments in support of their position
  - The opposing teams rebut the argument(s) and, the original presenters asked to respond to the rebuttal. This format is particularly useful in developing argumentation skills

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### 10. Panel Discussion

- ▣ Team gives class presentations or reports in front of entire class.
  - Teams are assigned a topic to research and asked to prepare presentations or reports.
  - Team presents their findings
  - Floor is opened to questions from "the audience"/classroom.



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**Other Techniques that I developed**  
I call it CCL  
**Cooperative & Competitive Learning**




### Cooperative & Competitive Learning

- ▣ Lecture Capture Session (LCS)/Lecture Minutes
- ▣ Question Answer Competition (QAC)
- ▣ Question Generation Competition (QGC)

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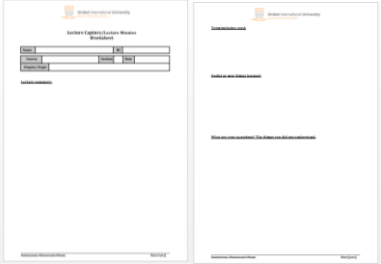



### 1. Lecture Capture Session (LCS)

- Similar to "Five Minutes Review" method
- I call it Lecture Minutes
- Require empathetic listening
- Students take notes individually and prepare a lecture minutes.




### 1. Lecture Capture Session (LCS)

- ▣ After a lecture, the team writes lecture minutes.

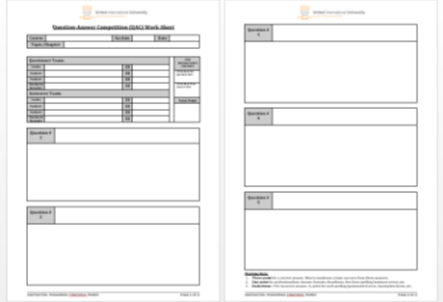








### 2. Question Answer Competition (QAC)

- ▣ Based on a lecture or on a chapter/topic
  - Team generate some questions as a team and write five question on the QAC form
  - The form is passed to another team to answer
  - Form with the answer given back to the team who wrote the question for verifying answers.
  - Final check by teacher





### 2. Question Answer Competition (QAC)

### 3. Question Generation Competition (QGC)

- ▣ Based on a lecture or topic
  - Teams prepare a list of questions
  - Teams with most valid questions are identified
  - Creates a pool of questions.

Driving force:  
Cure of Ignorance  
is asking questions

End of  
Session II

Next:  
CL Exercise