

Effectiveness of Lecture-Debate for Teaching for Undergraduate Medical Technology Students

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Overview

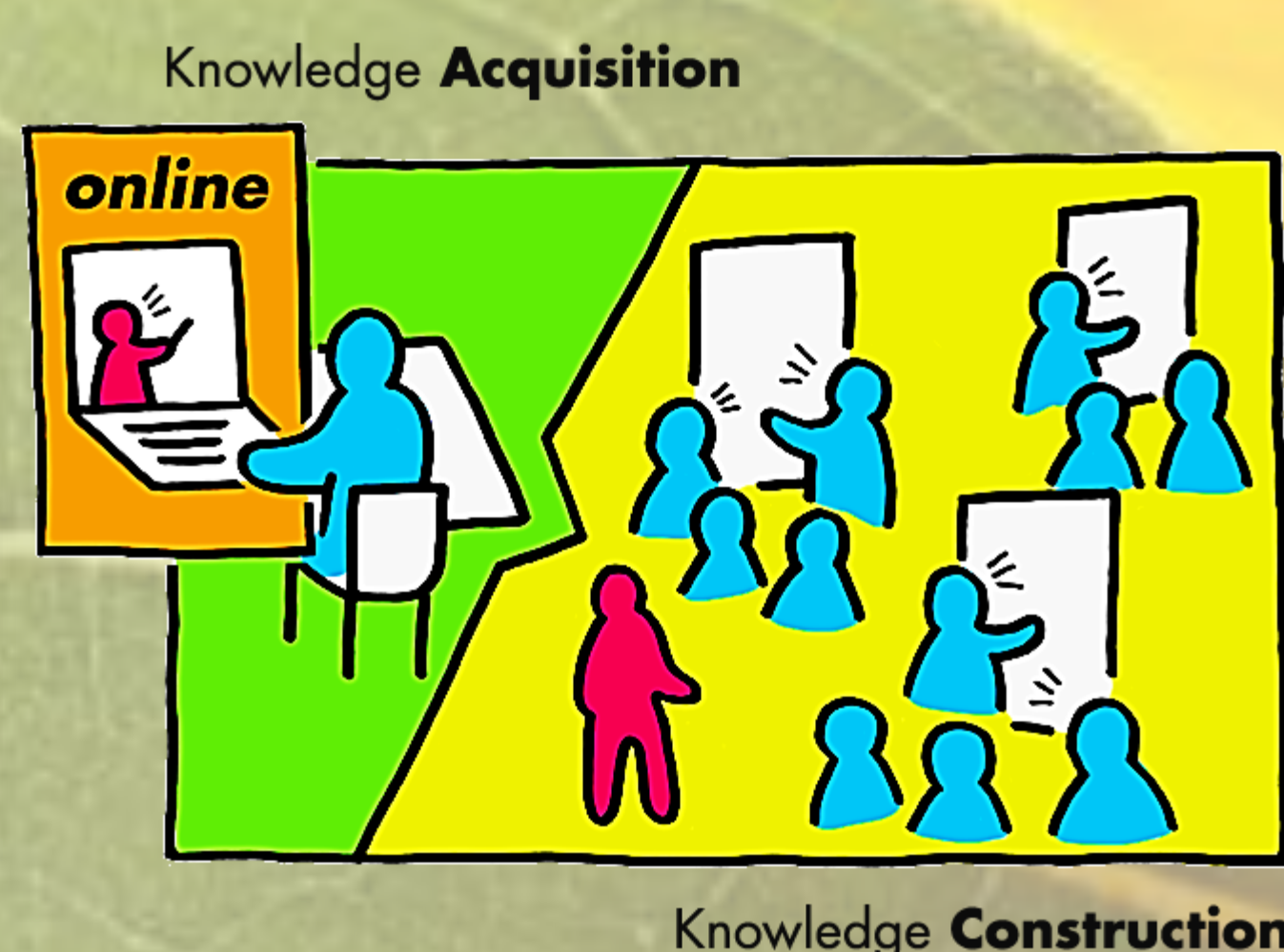
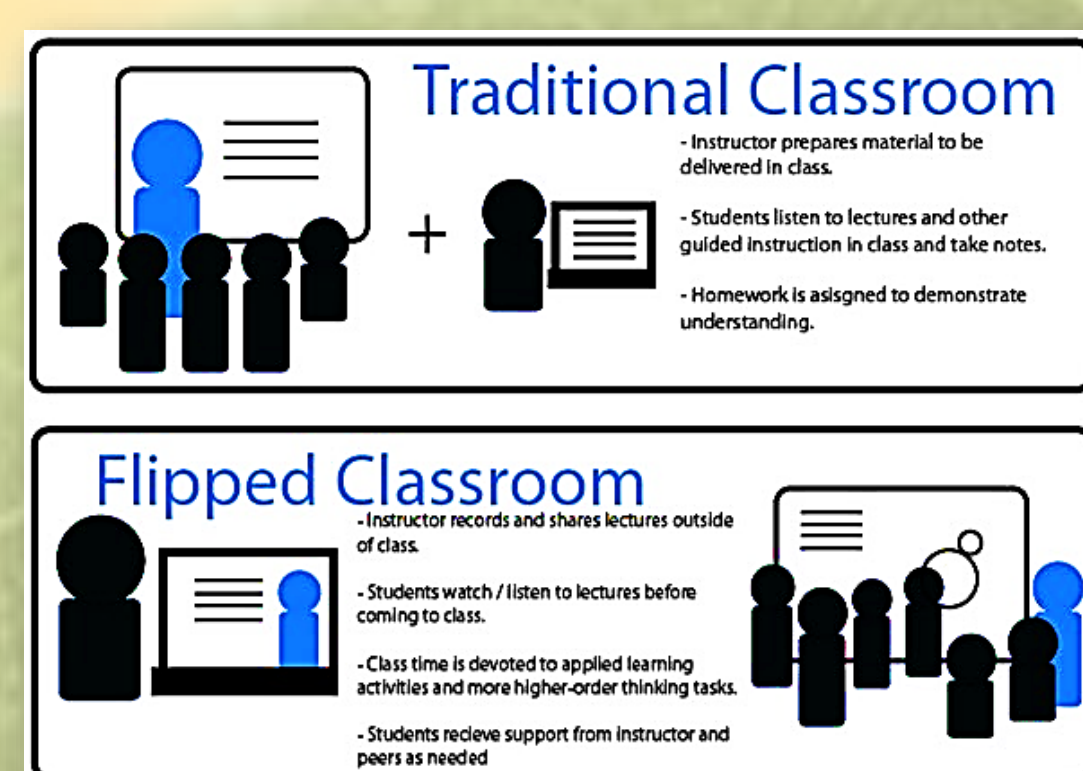
- Expected skills for MT students in the class
 - Knowledge, Active learning, Personality, Communication
- Increasing dynamic and complex clinical practice of MT
- Limitation of traditional knowledge transmission class

- Lecture-based learning
 - Knowledge ✓
- Alternative ways & Teaching innovation in MT
 - Problem-based learning
 - Simulation exercises
 - Case-based learning
 - Group discussion
 - Seminar

- Knowledge, Active learning ✓
- Personality, Communication ✓

- Problem solving skills (Think on my feet)?
- Weakness & Improving?

- Flipped classroom



- Competition can improve the potent abilities!!!

➤ DEBATE

Objectives

- To determine debate style for teaching-learning MT students
- To evaluate the knowledge, Personal, and Communication skills

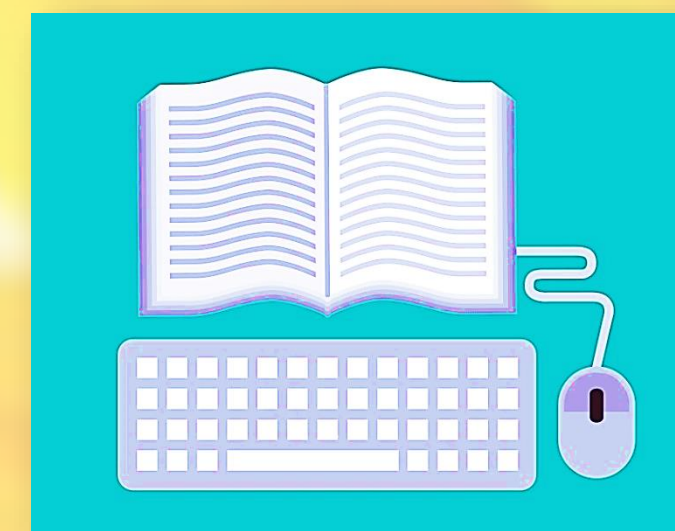


References

- Moraru M. Study on the Students' Opinion about the Effectiveness of Lecture-Debate in Teaching. *Procedia-Social and Behavioral Sciences*. 2015, 203 (63-68)
- Toor R., SamaiK., Wargo R. Debate as an alternative method for medical literature evaluation. *Currents in Pharmacy Teaching and Learning*. 2017, 9 (427-432)

Activity

- Lecture-based learning
 - Concept of the topic & Keywords for learning
- Active learning & Flipped classroom
 - Problem-based learning
 - Group discussion
 - Online discussion
 - Face-to-face discussion
 - Preparation of information for debate



- 2 teams for debate with modulator
 - 3 students / team
 - Leader for 10 min and member for 5 min of each
 - Summary by leader for 5 min
 - Conclusion by lecturer

Outcome

- Knowledge, Active learning, Personal, Communication
- Knowledge improving (88%)
 - Evaluate by observation during debate
 - Evaluate by Pre- and Post-tests / Summative assessment
- Active learning (95%)
 - Evaluate by discussion outside the classroom
 - Evaluate from sources of information
- Personal skill (82%)
 - Evaluate from confidence, teamwork, responsibility
 - Friend-to-friend & Lecture-to-student assessments
- Communication skill (76%)
 - Evaluate from public presentation & discussion
 - Questions & Answers

Future Development of Project

- Short-term
 - More topics of learning
 - 1 debate => 2 teams => 1 topics
- Medium-term
 - Increase time for debate
 - Technologies for learning
- Long-term
 - English communication skill

“Debate, effective tool of teaching-learning strategy for MT literature evaluation”