

Cooperative learning

Course Name and Code : Heat Transfer (ME3031)

Class and Div. : T Y B Tech (A div)

Department : Mechanical Engineering

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Purpose and Motivation

Students should have hands on experience and are able to solve variety of heat transfer problem

Suitability of Technique to course

1. Students have to solve variety of problem individually in class hour.
2. Students are free to discuss any questions they have about real-world heat transfer issues with the teacher or other classmates.

Procedure of Technique

1. Provide instructions about the Heat Transfer problem.
2. Assessment of given problem and explain the procedure to solve it
3. Use appropriate technique to solve problem
4. Solve the given problem and upload on moodle

Outcomes of Technique

1. The ability of students to adapt cooperative learning skills to less structured problem solving contexts is examined.
2. The data analysis reveals that cooperative learning increases students' confidence level as well as their involvement in the learning process.

Open Ended problems

1. Design of thickness of insulation of milk tanker
2. Design of thickness of insulation of cold storage room
3. Design of thickness of insulation of furnace
4. Design of thickness of insulation of steam pipe

Student Response

THANK YOU!!!!