

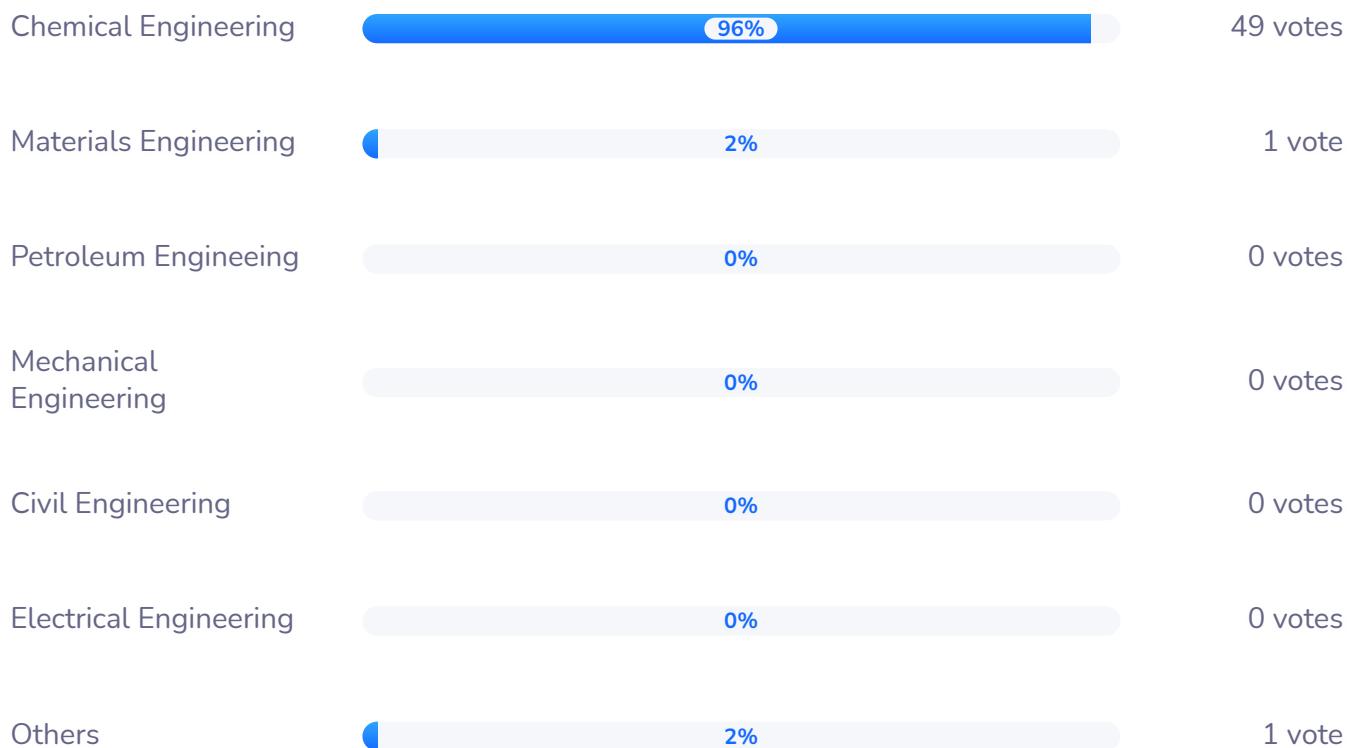
# CHE 318 WS 2026 Lecture 1

Number of participants: 57

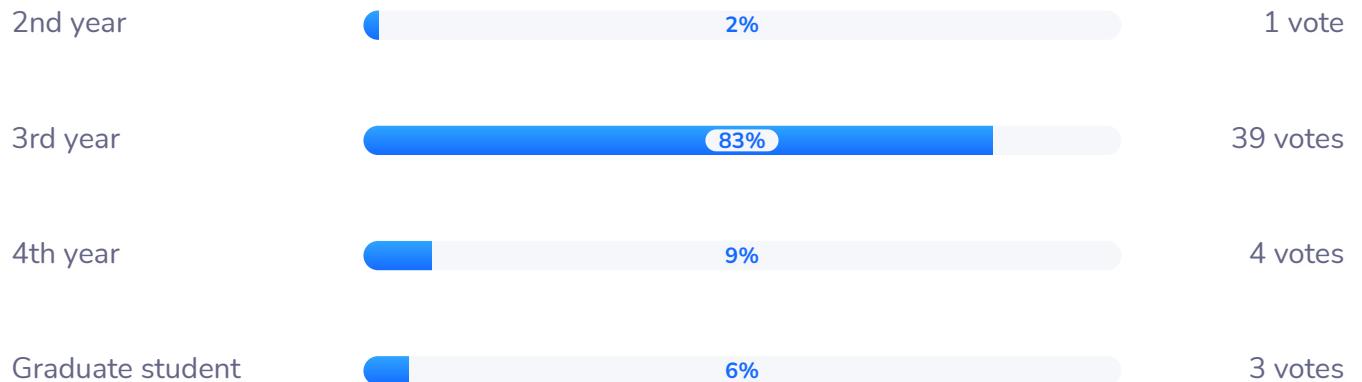


## 1. What is your primary program of study?

51 respondents



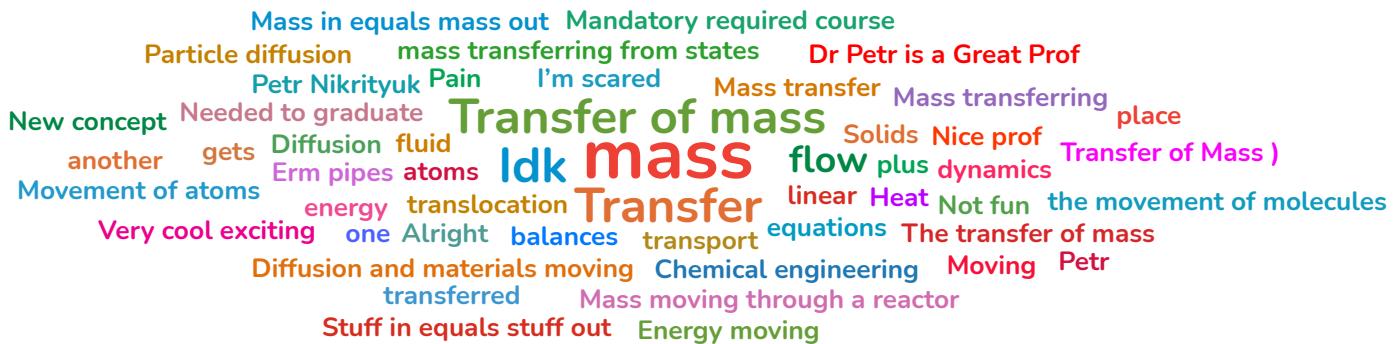
## 2. What year of study are you currently in? 47 respondents



3. In no more than 5 words, what comes to mind when you hear mass transfer?

43 respondents

The instructor thanks for your inputs! I hope the word cloud may look differently by the end of this semester



Mass in equals mass out Mandatory required course  
Particle diffusion mass transferring from states Dr Petr is a Great Prof  
Petr Nikrityuk Pain I'm scared Mass transfer Mass transferring  
New concept Needed to graduate Transfer of mass place  
another gets Diffusion fluid Solids Nice prof  
Erm pipes atoms I'dk MASS flow plus dynamics Transfer of Mass )  
Movement of atoms energy translocation Transfer linear Heat Not fun the movement of molecules  
Very cool exciting one Alright balances transport equations The transfer of mass  
Diffusion and materials moving Chemical engineering Moving Petr  
transferred Mass moving through a reactor  
Stuff in equals stuff out Energy moving

4. On the map of UofA, please place the labels for 1) Where are we right now? (classroom MEC 3-1) 2) Where will you be at 12:00 pm today?

45 respondents



**1** Classroom of CHE 318

45

**2** You at 12:00 pm

45

This question is intended to let you think concentration as a variable that dependent on the location ( $x, y$ ) and time ( $t$ )

The process of students moving from a higher concentration location (classroom) to other locations is the essence of the mass transfer course



**5. In a cylinder filled with salt solution, solid salt crystals are observed at the bottom. What is the salt concentration in the solution?**

42 respondents



Lower than the saturation concentration



2%

1 vote

Higher than the saturation concentrations



76%

32 votes

Equals the saturation concentration



14%

6 votes

Not enough information



7%

3 votes

The intended answer is “not enough information”

1. Has the system reached steady-state?
2. Is the concentration uniform in the liquid phase?
3. Do the environment (pressure, temperature) change during the process?

These conditions will make the answer very different