1) Intro myself + course

2) Lighter

butane (l) → butane (g)

phase change

I/M interactions

$C_4H_{10} + O_2 \rightarrow CO_2 + H_2O$

chemical reaction

combustion

+ light + heat

exothermic reaction ($\Delta H < 0$)

fast chain reaction (kinetics)

light emitted

light ↔ matter interactions

spectroscopy

macro chem $\vec{E}$ observations ↔ microscopic (molecular) phenomena

thermo kinetics spectroscopy

statistical mechanics

(quantum) mechanics

atomic model of matter (Feynmann)

In P Chem we build this bridge, understand how what happens @ μ determines macro, and, for Chem E, how we can model those connections.

3) syllabus, class mechanics