

Classical Mechanics Assignment One

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PROBLEM ONE

What do you expect from this course?

From this course I want to learn the physics techniques for modeling more complicated systems than what was taught in the introductory physics sequence. I want to get a better understanding for how physical modeling works and get a better intuition for when to use particular techniques to model physical systems. I'd also like to learn how to use advanced techniques, like the Lagrangian, to characterizing physical systems.

PROBLEM TWO

What do you expect from the instructor?

I expect the professor to answer questions during lecture and be available for office hours for help and clarification on homework assignments.

PROBLEM THREE

What do you expect from your classmates?

I expect my classmates to not be disruptive during lecture and work to create an environment conducive to learning. I expect them not to ask for homework solutions, but to ask for help on homework when needed.

PROBLEM FOUR

How prepared do you feel that you are for this class?

I feel adequately prepared. I have taken the Paradigms series in the past year, in addition to the two linear algebra courses and calculus series recommended for this course. I am not worried about the material, and know that if anything challenging comes up, I can always do research, ask my classmates or the professor for help.