

Introduction to Mathematical Modeling

Professor:

Dr. Joanna Bieri

joanna_bieri@redlands.edu

OFFICE: DUKE 209

Final Project Deadlines

Tuesday September 19th – Final Project Draft Proposal

Due. This should be a well written paragraph explaining your general project idea, including what you would like to model and what questions you would like to address. Include a statement about why you are interested in the topic and why it is important to model. If you can think of some assumptions, discuss them here. You can have more than one idea at this point and I will give feedback. Projects should be something that you can model with discrete time steps. (This is considered a homework assignment)

Tuesday October 17th- Final Project Final Proposal and

Assumptions. This should be typed proposal (1-2 pages) that includes: an updated statement of the question/topic of your project; a list of possible resources where you will find your data, background information, model assumptions and some sort of visual diagrams describing your proposed model. It could also include a list of people or other resources that may help in your modeling project, a list of computer resources you may need, and a rough draft of your plans for the model. It is a good idea to have a very specific to-do list and a schedule for when you would like to have things done. (This is worth 50 points toward your final project grade)

November 14-16th - Final Project Check-in. Each student must make an individual appointment with me to talk about their final project. You should have already made some progress at this point. Bring with you to this meeting all of your work, data, computer programs, and any write up that you have. This is your chance to ask questions and get direct feedback about your progress. Do not come to this meeting unprepared, if you show up and ask me to build your model for you, I will be very disappointed. (Coming to this meeting prepared is worth 50 points toward your final project grade)

Tuesday November 28th - Final Project Poster Sessions

This will be a professional work in progress poster of your project. Your goal is to teach your classmates and colleagues about your project. Why it is your model important? How did you build your model? What conclusions did you reach? How effective was your model and/or what improvements/future work could be done with the model? This is your check to explain your model and assumptions and to get early feedback to include in your final project. We will be inviting people outside the class to see the posters so make them awesome! I'll bring food. (Presenting a successful poster is worth 100 points toward your final project grade)

Thursday December 7th at 4:59pm - Final Projects Due.

Final projects should be submitted online. This project takes the place of a final exam. I expect your write up and analysis to be professionally written and clearly communicated. (A well written paper with a great mathematical model is worth 400 points toward your final project grade)

More info about projects can be found at:

MathematicalModeling.JoannaBieri.com