

ME 345: Modeling and Simulation
Case Study 1 Lessons Learned
March 23, 2012

Content winners

- Connell, Louca, Dimiceli, Stengel
 - Weiner, Bedell, Giamella, Grudzinski
 - Hasrajani, Sayeedi, Aguas
 - Abd Halim, Lesch, Hubner
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- need/benefit of thinking outside the box
 - may be multiple resources available to solve the same problem
 - more than one way to go about a problem
 - start early – often underestimate the time involved/required (or desired at the end to really complete the work)
 - how to recognize flaws in provided information (just because it's given to you doesn't mean that it is correct/perfect)
 - no model is perfect – adjustments can always be made to make it perform more realistically. Need to balance the desired results to the amount of fidelity you wish to include in the model
 - Nothing is sacred – just because you invest a lot of time in a model does not make it the best model.
 - The more I know how to use a software the more I realize that there are probably additional capabilities that I don't know how to use/implement
 - Running simple (but related) problems/models can help in troubleshooting problems with the software or model