

# Assignment #1

## Control Theory ENME 438

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The following problems number are good guide for your study of the topic Mathematical model and block reduction. You are not allowed to submit the solution, instead will be given a quiz assignment in one or two problems. The problems are taken from the book titled: “*Norman S. Nise, (2011) Control System Engineering, (6<sup>th</sup> ed.), JohnWiley & Sons*”. A software pdf version of the book has been already uploaded to the Ritaj.

### **Chapter 1**

2, 3, 9

### **Chapter 2**

7,8a, 17a, 7b, 16, 17, 21a. 21b, 26, 22a, 24, 30, 33, 35, 37

### **Chapter 5**

1a, 2, 3, 5a, 6, 27