Cairo University
SBE 601 Numerical Methods in Biomedical Engineering - Spring 2017
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- You can work on the assignment in groups of **2-3 students**.
- Type your solutions in **LaTeX** using the provided template (Created by Eng. Yassin Amer).
- Please compress your **LaTeX** folder containing the solution after making sure that it works and email it to me: mrushdi@eng1.cu.edu.eg
- Please indicate clearly the contribution of each group member in the page of **LaTeX** template specified for that.
- Most of the problems are from the following textbooks:
  [Chapra 2011] Applied Numerical Methods with MATLAB for Engineers & Scientists
  by Steven Chapra (2011)
  [Dunn 2005] Numerical Methods in Biomedical Engineering
  by Stanley Dunn, Alkis Constantinides, and Prabhas V. Moghe (2005)
  [King 2010] Numerical and Statistical Methods for Bioengineering
  by Michael R. King, and Nipa A. Mody (2010)
  [Burden 2010] Numerical Analysis
  by Richard L. Burden, and J. Douglas Faires (2010)

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Assignment 0 Modeling, Computers, and Error Analysis

Book Chapter	Problems
Chapter 1, pp. 20-23, [Chapra 2011]	1.8, 1.11, 1.14, 1.18, 1.20
Chapter 2, pp. 44-47, [Chapra 2011]	2.5, 2.10, 2.12, 2.14, 2.15, 2.19, 2.20, 2.22, 2.23
Chapter 3, pp. 83-87, [Chapra 2011]	3.6, 3.12, 3.13, 3.14, 3.19, 3.22
Chapter 4, pp. 120-122, [Chapra 2011]	4.4, 4.8, 4.9, 4.11, 4.19, 4.24