Lab08 Assignment

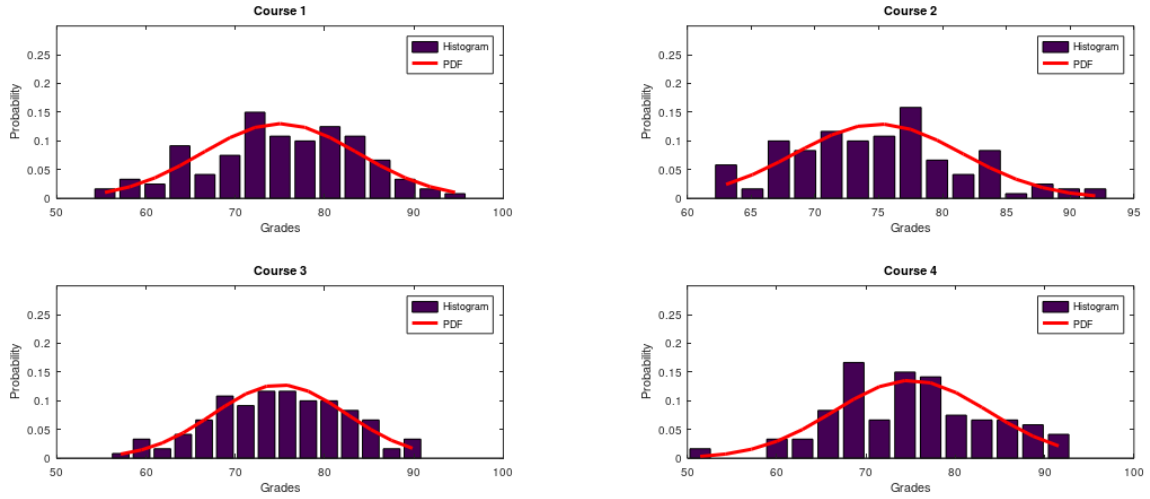
Given: You are given a dataset "examgrades.dat" (120 by 4). Dataset consists of student grades for 4 different courses. Columns represent courses and rows representing the students. For example, in the right figure a matrix is shown, and blue colored area is the shows the grades for Course Nr. 1.

grades

	1	2	3	4
1	65	77	69	75
2	61	74	70	66
3	81	80	71	74
4	88	76	80	88
5	69	77	74	69
6	89	93	78	77
7	55	64	60	50
8	84	83	80	77

Task: This assignment is continuation of Lab05_Assignment.

You have plotted histograms of grades for 4 courses in Lab05_Assignment. Now, you are going to plot histograms with normalized values and apply PDF (Probability Density Function) to each course. An example figure is given in the figure below. You should make subplot 2 by 2. You can customize the colors and number of bins as you think is the best. But set the "ylim" margin that can show all the bins ([0 0.3] seems best). Annotations are important.



You must upload

- Script file (.m). (You can use the template code that is provided with the assignment)
  Lab08_Assignment_StudentNo.m **Ex:** Lab08_Assignment_202051075001.m
- Image File (.jpg): You should save your figure as tiff file and return it with the assignment.
  Lab08_Assignment_StudentNo.jpg **Ex:** Lab08_Assignment_202051075001.jpg

PS: Correct naming is critically important. Otherwise, your code will not be evaluated.