**Course outline**

**STAT 328 (Statistical Packages) 3 credit hours**

**Instructor:  Prof. Khalaf S. Sultan**

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**Room: AB17 Building #4**

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**Text Books:**

1. Minitab Guide, Second Edition Desmond J. Higham and Nicholas J. Higham A-Jin Publishing Company. . Latest version
2. SPSS Guide to Data Analysis by Marija Norusis. . Latest version
3. Hector Guerrero. [Excel Data Analysis: Modeling and Simulation](http://gigapedia.com/items%3Aview?eid=PSzlbSN0CmvClEeThfk6Xhg4yelZo0WIMtfMb9Bg%2BBo%3D), Springer. . Latest version
4. SPSS Survival Manual: A Step by Step Guide to Data Analysis Using IBM Spss. Latest version
5. Alain F. Zuur l Elena N. Ieno lErik H.W.G. Meesters. A Beginner’s Guide to R, Springer. Latest version

**Course Scope Contents:**

Using program code in a statistical software package (Excel – Minitab – SAS – SPSS - R - Maple - Matlab) to write a program for data and statistical analysis. Topics include creating and managing data files, graphical presentation - and Monte Carlo simulations.

**ssignments and Tests:**

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| **Assignments and Labs**  | **Will be given during the classes**  | **12 marks** |
| **Midterm test I** |  | **24 marks** |
| **Midterm test II** |  | **24 marks** |
| **Final Exam** | **As the exams tables** | **40 marks** |

**Attendance:**

Student missing more than 25% of the total class hours won't be allowed to write the final exam.