**Department of Statistics & Operation Research-King Saud University**

**Second Semester**

**Stat105**

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**Catalog Description**

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| **Week** | **Title** |
| **W1** | Some discrete distributions: Binomial, Hyper geometric, Poisson, Uniform |
| **W2** | Discrete distributions: expectations, variances, probabilities, approximations |
| **W3** | Some continuous distributions: Normal, t, Chi squares, F  Probabilities, tables, critical points |
| **W4** | central limit theorem and Sampling distribution of  means, proportion, variance  one & two populations |
| **W5** |
| **W6** |
| **W7** |
| ***The First Term Exam*** | |
| **W8** | Point and interval estimation: Mean, Proportion, variance two populations |
| **W9** |
| **W10** | Testing Hypothesis: Mean, Proportion, variance one population |
| **W11** |
| **W12** | Chi-square tests |
| ***The second Term Exam, Sunday*** | |
| **W13** | Analysis of correlation and regression |
| **W14** | Analysis of variance: single factor |

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| Analysis of variance: complete block design | **W15** |
| ***Final*** | |
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| **Test No. 1 : 30 Marks (1.5 hours)** | **Grading Policy** |
| **Test No. 2 : 30 Marks (1.5 hours)** |
| **Final Test :40 Marks (2 hours)** |