



ت	المفردات الدراسية	عدد الأسابيع
1	Some important distribution s Introduction-discrete probability distribution and its related – continuous probability distribution and its related – relations between the distribution(t) and distribution(f) with statistical tables	
2	Random sampling and sampling distribution Introduction-sample mean-central limit theorem – sample variance- sampling from normal proportion –distribution of the sample p proportion –distribution of order statistics and application .	
3	Point estimation theory Introduction –(general concepts and definitions)- properties of good point estimator –unbiased ness- consistency (closeness)-efficiency-mean square error- sufficient-rao Blackwell theorem –fisher-Nyman Criterion-completeness-uniqueness –rao-cramer-methods of estimation –maximum likelihood method –moments method –least square method and Bayesian method	
4	Interval estimation theory Introduction (general concepts and definition –concepts and definitions)-confidence interval for means –confidence interval for portions for large samples –confidence interval for normal distribution.	
5	Test of Hypothesis Introduction (general concepts and definitions)-simple Hypothesis versus simple Alternation –composite Hypothesis –Test of Hypothesis –sample from the normal distribution-critical Region-Type I and Typell Errors-power of the test –significance level of the Test (size of the critical Ragion)-Neyman –pearson Theorem –likelihood Ratio test (construction best critical Region) –sequential test of Hypothesis AND Hypothesis Test about population mean.	