



<b>Biostatistics</b>	
<b>Title:</b> Biostatistics	
<b>Course number:</b> 413 PHT	
<b>Semester:</b> Seventh Semester (Fourth Year).	
<b>Duration:</b> 2 + 0 Units (2 contact hours) per week.	
<b>Aims:</b> To provide general knowledge on individual variation, statistical terminology and tests for significance.	
<b>Objectives:</b> At the end of the course the student should be able to understand individual variation, terminology, errors of sampling, and statistical application in biological assays.	
<b>Contents:</b> Individual variation, statistical terminology, errors of sampling, probability concepts, distribution of random variables, non parametric methods, validity of results, analysis of variance and tests for significance, choice of proper tests for significance, statistical methods applied to biological assays and proper experimental design.	
<b>Minimum course requirements:</b> 30 (2 x 15) Unit lectures (30 contact hours) per level.	
<b>Evaluation methods:</b>	
- Exam 1	20%
- Exam 2	20%
- Final examination (written)	60%
<b>Text Books (latest edition):</b>	
1- Biostatistics: A Foundation for Analysis in the Health Science, Daniel, W.W., Wiley John Wiley and Sons, Inc.	



**Recommended books (latest editions):**

- 1- Fundamentals of Biostatistics, Bernard Rosner.
- 2- Biostatistics: A Foundation for Analysis in the Health Sciences,  
Wayne W. Daniel.
- 3- Biostatistics: The Bare Essentials, Geoffrey R. Norman, David L.  
Steiner.
- 4- Primer of Biostatistics, by Stanton A. Glantz.
- 5- Statistics in Medicine by R. H. Riffenburgh.
- 6- Practical Statistics for Medical Research by Douglas G. Altman.