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| **Course title** | **Code** | **Semester** | **Type of course** | **Course volume (Contact hours)** | **ECTS** |
| **Research Methodology and Biostatistics** | **MED**  **3007** | **V** | **Mandatory** | 40 | **4** |
| **Faculty, the educational program and level of education** | * School of Medicine and Health Sciences * Higher Medical Educational Program “Medicine” * One cycle 6-year | | | | |

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| **Learning Course Content** |
| * Introduction in biostatistics; Basic in medical research. Studies types.   Problem, Hypothesis; Research protocol;   * Collecting data; Observation research; Importance of questionnaire for research   Cross sectional process in research; Medical experiment   * Prevalence; Incidence * Descriptive and inferential statistic ; Variable; P-value, standard deviation ; * SPSS –statistical programme * Types of study. Survey and comparative studies * Frequency distribution. Stemplot .Fraquance charts. * Frequency tables. * Quartiles. Boxplots   Probability   * ROC curve   Correlation   * Statistical analysis * Calculation of Risk, correlation; Present of presentation |
| **Textbooks and Materials** |
| * Basic Biostatistics: Statistics for public Health Practice- B.Burts Gertsman; Jones & Bartlett Learning; 2nd ed. 2015; * Medıcal bıostatıstıcs- Indrayan Abhaya; CRC Press; 3rd.ed. 2013; * An EasyGuide to Research Design & SPSS-Beth M. Schwartz; Janie H. Wilson; Sage; 2015; * Introductory Statistics-Neil A. Weiss; Pearsonş 10th.ed. 2016; * High-Yield: Biostatistics, Epidemiology, & Public Health-Anthony N. Glaser; Wolter Kluwer; 4th.ed. 2014; * Principles in Biostatistics Pagano, Marcello; Duxbury; 2nd.ed. 2000; * Practical Statistics for Medical Research-Altman,Douglas G; Chapman & Hall/CRC; 1991; |