**Special Microbiology (MIC. 324)**

**Overall aims of the Course:**

This course aimed at giving students a comprehensive knowledge about pathogenic bacteria and fungi of veterinary importance and those transferrable to man. The course includes theoretical and practical sections on systematic bacteriology and mycology. By the end of this course, students will get the ability to isolate, identify and classify pathogens on phenotypic and genotypic bases. Pathogens of local, regional and international interests will be covered regarding characteristic, diagnostic, epidemiologic, therapeutic and prophylactic criteria.

**Course contents:**

* Taxonomy, Staphylococcus and Streptococcus
* Bacillus and Clostridium
* Corynebacterium, Mycobacterium and Listeria
* Enterobacteriaceae, Pseudomonas and Burkholderia
* Mycoplasma, Haemophilus and Pasteurella
* Spirochaetes, Campylobacter and Helicobacter
* Brucella, Chlamydia and Rickettsia
* Yeasts and diphasic fungi
* Moulds
* Molecular Diagnostic Methods