**Zoonosis (ZOD. 521)**

**Overall aims of the Course:**

When the student complies this course, should be able to:

- Detect the importance of zoonotic diseases; principles and protocols for diagnosing, treating, and controlling of such zoonotic diseases.

- Understand the basic principles and programs within public health, to include environmental health and safety, food inspection and safety, and biological waste management.

- Understand and appreciate the One Health concept, defined as the collaborative effort of multiple health science professions, together with their related disciplines and institutions – working locally, nationally, and globally – to attain optimal health for people, domestic animals, wildlife, plants, and our environment.

- Build the capacity for surveillance as an overall intelligence or disease-accounting system designed to permit diseases control authorities to be alert early to the presence of disease problems and the possible effects of these diseases on the population.

**Course contents:**

* Introduction to Zoonoses, classification & technical terms used in Zoonoses
* Zoonotic tuberculosis & brucellosis
* Avian chlamydiosis, Anthrax &Animal erysipelas
* Leptospirosis, Plague,
* endemic relapsing fever & lyme diseas
* Tularemia, tetanus, Q-fever, yersiniosis, listeriosis
* Food borne illness
* Mycotic diseases
* Arthropods borne viral diseases
* Direct viroses
* Introduction to parasitic zoonoses, Protozoal diseases
* Helminths
* Trans boundary diseases, Emerging and reemerging diseases.