**Toxicology (TFM.326)**

**Overall aims of the Course:**

By the end of the course the student should be able to

Understanding the harmful effects of the different types of poison.

Identifying the different methods of poison detection and interpretation of the analytical results.

Differential diagnosis and treatment of different types of intoxication

Understanding the nature and toxicological diversity of different types of poisoning.

Risk assessment of environmental and industrial poisoning.

**Course contents:**

* Introduction (causes, factors, diagnosis and treatment
* Organ Toxicity (hepato, nephro)
* Organ Toxicity (reproductive, neuro)
* Pesticides (OP, carbamate)
* Pesticides (OCs, pyrethroids)
* Pesticides (rodenticides, herbicides)
* Metals (arsenic, lead)
* Metals (mercury, cadmium)
* Mycotoxins and Food poisoning
* Organic acids (phenol, oxalic, HCN)
* Ecotoxicology
* Toxicity Testing
* Geno and Mutagenicity
* Male
* Female
* Poisonous Plants
* Venomous Animals
* Aquatic Toxicology
* Clinical Toxicity and Antidote
* Toxicological Analysis (sampling and instrumentation)