Molecular Modeling in Drug Design Diploma

This diploma aims at application of modern *in silico* tools and bioinformation technology in different phases of drug discovery and design of new drug candidates by understanding the molecular basis of the interaction of small molecules with their targets.

Semester	Code	Course Title	Credit Hours		Exam Time	Grades			
			Lecture	Practical		Written	Practical	Oral	Total
First	DNP-201	Introduction to Bioinformatics	2	1	1	60	20	20	100
	DMC-201	Introduction to Drug Design	2	1	2	60	20	20	100
	DMC-202	Molecular Cell Biology	2	1	2	60	20	20	100
	DMC-203	Introduction to Genetics/Genomics	1	1	2	40	10	-	50
	DNP-202	Bioinformatics & Computational Biology 1: Algorithms	1	1	1	40	10	-	50
	DNP-203	Introduction to biostatistics	1	1	1	40	10	-	50
Second	DNP-204	Bioinformatics & Computational Biology 2: Statistical Bioinformatics	1	1	1	40	10	-	50
	DMC-204	Structure and Function of Biological Molecules	1	1	2	40	10	-	50
	DMC-205	Advanced Drug Design Approaches	2	1	2	60	20	20	100
	DNP-205	Data Mining	1	1	1	40	10	-	50
			24						700