

❖ Course Title	Advanced Genetic Engineering
❖ About this course	Altering organism according to our wishes and purpose was one of the most fantastic goals of human. Now genetic engineering is the solution and pave the way for creating any organism with any characteristic we want.
❖ Audience: Level (BSc, MSc, PhD, etc.)	All Levels
❖ Department ❖ Instructor	Stem Cell
❖ Modules/Resources	The development of genetic engineering and synthetic biology Uses for genetic engineered systems DNA cloning techniques and plasmid design DNA modification enzymes (DNA polymerases, restriction enzymes, nucleases, phosphatases/kinases, recombinases, and more)
❖ Course Requirements	minimum education requirement would be a bachelor's degree in biochemistry, biophysics, molecular biology, or molecular genetics.
❖ Registration Costs	100\$
❖ Duration:	2 days