

اسم القسم: الوراثة		
اسم المقرر: الوراثة الجزيئية كود المقرر: و ر ث 306		
البرنامج: التكنولوجيا الحيوية		المستوي: الثالث
م	الموضوعات البحثية	مواصفات
1	Genetic Material	Definition, Properties, Type of genetic material, Structure, Replication and Gene expression
2	Enzymes involved in Nucleic acid possessing	Type of enzymes, mode of action, enzymes involved in replication, enzymes involved in protein synthesis
3	Gene regulation	Regulation of gene expression in prokaryotes and Eukaryotes
4	Mutations	Definition, Types of Mutations, Causes, Mutation effects, Applications
5	Genetic Engineering applications	Definition, Genetic engineering applications (in medicine, agriculture , animal breeding and animal improvement)