

Course Number	Course	Credit hours	Prerequisite
0300124	Scientific Culture	3	--

Introduction to scientific culture (concept, characteristics, elements, dimensions, and sources of scientific culture); the scientific method (characteristics, scientific hypotheses, the goals of science, methods of scientific reasoning, ethics of the scientific researcher); development of science during different civilizations; The technology and its applications (nanotechnology and biotechnology); The climate change (concept, reasons and climate variation phenomenon); The manifestations of renewable energy (solar, biological energy, wind energy, and geothermal energy).