Course Code	FNU3200	FNU3200						
Level								
Course Litle	Etnics in Science and Technology							
Credit value	UZ Optional							
Proroquisitos	Ομισται							
Hourly breakdown	Theory Practical Independent Learning Assessment Total							
nouny breakdown	meory		hours		canning	Assessment	Total	
	15 Sessions x 2 = 30 hrs	4 DS x 2 = 08 hrs	-	 15Sessions independe learning fo Recommer [10h] 65hrs 	s x3 =45 h nt / group r tutorial-10 h nded readings	 (2 CATs x 1hr) GP(1hr) 3 h 	106 hrs	
Course Aim/s	To provide the knowledge on ethics, morals and attitude in general and applications of ethics in trade, research (medical and science) and copy right and patenting the new products.							
by course	 PLO1: Knowledge: Explain the fundamental, principles and broader knowledge pertaining to the chosen science disciplines offered for the degree. PLO3: Communication: Demonstrate the competency in communicating efficiently and effectively to present information, ideas and concepts to the scientific community as well as to the wider society. 							
	 PLO4. Individual work, reall work and Leadership. Demonstrate the competency in working independently and in groups in addressing issues in multi-disciplinary environments and completing the tasks on time through collaborative learning while exhibiting leadership. PLO5: Creativity and Problem Solving: Identify and analyze problems using quantitative and/or qualitative approaches using scientific methodology to provide valid conclusions. 							
Course Learning Outcomes (CLO)	The students should be able to:							
	 CLO1 – Develop the knowledge on the ethics in general(PLO1, 2,) CLO2: Develop a comprehensive understanding of the ethics in research, trade and copyright.(PLO1) CLO3: Develop the knowledge copy right and patenting involved in protecting publications and new product development (PLO5) 							
Content (Main topics, sub topics)	Introduction to the ethics in science and technology Introduction to ethics – Definition of terms, Philosophy of life – Values, beliefs and attitudes, Moral development, moral problems and moral dilemmas, Basic principles in ethics, History of ethics in science and technology. Practice of ethics in science and technology Ethics in practice I – Medical ethics, Ethics in practice II – Ethical conduct in other subjects, Ethics in practice III – Informed consent, Ethical decision making I – Ethical problems, Ethical decision making – Ethical reasoning. Ethics in intellectual property right Introduction to the intellectual property law, Copyright law and ethics, Trademarks law and ethics, Trade sevret / undisclosed information law and ethics, Patent law and ethics							
Teaching Learning methods (TL)	Self- learning/Independent learning Instructional Material (IL) Online Activities(OL) Reference Work (RE) Compulsory contact sessions Group Projects (GP) Assessments (AS) and Feedback – MCQs (MCQ); Structurer Essay (SEQ), Reports (RE), Non-compulsory contact sessions							
	Non compulsory Day Schools (DS)							
Assessment	Ove	rall CA Mark (OCAM): 40%		Fina	al Assessment: 60%		
strategy	CAT I (OBT) – 1 hr,	CAT II (NBT)	- 1 hr, GP-1h	r:	Final Evaluation Theory – 2hrs – 1	100%		
Recommended	GP (attendance co	n + 20% from mpulsory	i the other C	41 + 30% Irom				
Readings:	 Dr Raymond E. Spier (2003). Science and Technology Ethics (Professional Ethics) 1st Edition, Kindle Edition. Routledge. Koepsell, David (2017). Scientific Integrity and Research Ethics. Springer International Publishing. 							

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