Course Code		FIU200	
Course Name		Engineering and Civilization	
Course Instructors		Sasonggo Pramonohadi, Sujoko Sumaryanto, Priyatmadi, Tiyono, Eka Firmansyah,	
Course Type		Required	,
Course Classification		General Education	
Credit / Contact Hour per Week		2 / 100 minutes per Week	
Course Description		gives understanding	the soul and the role of engineering. It of the big picture of engineering in Also it reveals the ethical aspect of
Prerequisites Courses		-	
Covered Student Outcome		Knowledge of Contemporary Issues (f) Professional and Ethical Responsibility (i) Engineering Awareness and Society (j) Sustainable Learning (k)	
Learning Outcome	<ol> <li>Students are able to explain about the role of engineers in the civilization.</li> <li>Students are able to explain about the holism epistemology within engineering.</li> <li>Students are able to understand ethics and it code.</li> </ol>		
	4. Students are able to understand Ethical code of Engineering in Indo		
Topic  Direct Assessment	1. Forewords: Explaining about the history of Engineering Faculty. Also about understanding difference among scientists and engineers.  2. The contributions and importance of engineering in human civilization.  3. Introduction about system thinking.  4. Engineering Epistimologi from Social and Cultural Insight.  5. Engineering Epistimologi from Political and Economic Insight.  6. Engineering Epistimologi from Nature Perspective.  7. Desain Principle  8. Case study: Industrial Engineering (Mechanical-Electrical-Chemical)  9. Case study: Earth Science (Geology-Geodetic)  10. Case study: Civil and Planning.  11. Case study: Energy.  12. Attitude of engineers.  13. Ethics in Engineering.  14. Vision and Mission of Engineering Faculty Graduates.    Direct Asessment Plan   Measured Learning Outcome		
	Mid Exam Final Exam		LO1 LO3, LO4
Indirect Assesment	Questionnaire	(EDOM)	
References	Anonim, 2000, Accreditation Board for Engineering and Technology		
1010101000	Anonim, 2011, Engineering ethics in practice: a guide for engineers, The Royal Academy of Engineering, London SW1Y 5DG		
	Hadikusumo, 2003, "Tagore, Kesatuan Kreatif" ,Bentang,YogYakarta.		
	Harris C., Pritchard M., MICHAEL J. Rabins M.J., 2009, Engineering Ethics		
	Concepts And Cases, Wadsworth, Cengage Learning  Martin M.W. den Schinginger R. 2010. Introduction to Engineering Ethics		
	Martin M.W. dan Schinzinger R., 2010, Introduction to Engineering Ethics, Published by McGraw-Hill		
	Wahyudi, 2001, Sikap mental dan Etika Profesi Teknik, Buku Saku		
	mahasiswa, Fakultas Teknik UGM		
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