

SYLLABUS CURRICULUM

COURSE	Course Name : Engineering Drawing
	Course Code : TM184203
	Credit : 3 sks
	Semester : II

COURSE DESCRIPTION	
LEARNING OUTCOMES	
LO6	Understand the engineering principles in mechanical system to identify, formulate and solve the problem of mechanical engineering.
COURSE LEARNING OUTCOMES	
Student be able to explain engineering drawing purpose in mechanical engineering, show errors in drawing based on engineering drawing standard and be able to draw and analyze a mechanical system worksheet.	
MAIN SUBJECT	
<p>The focus of this course are as follows:</p> <ul style="list-style-type: none"> - Purpose, shape, and using drawing, drawing tools and utility and engineering drawing standard (normalization). - Presentation of object in single drawing view or 3D drawing, such as isometric projection, dimetric projection and parallel projection. - Presentation of object in orthogonal projection either by First-Angle projection system or Third-Angle projection system. - Convention and methods of drawing dimensioning. - Presentation of section drawing. - Presentation of sketch drawing, detail drawing and assembly drawing. - Standard component drawing, spring drawing and gears drawing in detail drawing or assembly drawing - Introduction and application of manufacturing mark, tolerance, fitting - Introduction of welding symbol 	
PREREQUISITES	
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REFERENCE	
<ol style="list-style-type: none"> 1. Ir.Ohan Juhana, M Suratman S.Pd., "Menggambar Teknik Mesin Menurut Standar ISO" 2. G. Takeshi Sato, N Sugiarto Hartanto, "Menggambar Mesin Menurut standar ISO" 	

3. Modul Kelas AutoCAD
4. La Hey, "Ilmu Menggambar Bangunan Mesin".
5. ISO Standard Hand Book 12, " Technical Drawing"