

FI348 Electrical Circuit Analysis

Module name:	Electrical Circuit Analysis	
Module level, if applicable:	Undergraduate	
Code:	FI348	
Sub-heading, if applicable:	-	
Classes, if applicable:	-	
Semester:	4 th	
Module coordinator:	Waslaluddin	
Lecturer(s):	Waslaluddin	
Language:	Bahasa Indonesia	
Classification within the curriculum	Elective Courses	
Type of Teaching	Contact hours per week during the semester	Class Size
<ol style="list-style-type: none"> 1. Lecture (conceptual, contextual and problem-solving approaches through expository, discussions and practical methods). 2. Structured activities (assignments based on conceptual, contextual and problem-solving approaches, Presentation) 3. Self-study (practical/project) 	1 hour 40 minutes	25
Workload:	The total workload is 91 hours/5440 minutes (3.2 ECTS) per semester, consisting of 25 hour 20 minutes/1400 minutes lectures (0.82 ECTS), 28 hours/1680 minutes structured activities (0.98 ECTS) and 28 hours/1680 minutes self-study (0.98 ECTS) per week for 14 weeks, 11hour 54 minutes/714 minutes for two exams (0.42 ECTS).	
Credit points:	3.2 ECTS	
Pre-requisites course(s):	FI122 Basic Physics II	
Course Learning Outcomes (CLO):	After taking this course the students have ability to: CLO1: Explain the Great 's Power, Variable Signal and Model Signals CLO2: Explain Model tool, Laws of Association, Rule circuit, and Theorem Networks CLO3: Apply Analysis Methods for Applications in EneRgy Processing Circuits CLO4: Apply ICT Method of Analysis for Applications In circuit Processing Energy CLO5: Order Circuit Transient Analysis	

