



INSTITUT TEKNOLOGI NASIONAL

SK Mendikbud: 0180/0/1985 dated April 20, 1985

ACADEMIC RECORD

Student I.D. : 11-2011-083

Name : MUHAMMAD ARIFIN

Place & date of birth : BANDUNG, 3 October 1991

Faculty : INDUSTRIAL TECHNOLOGY

Study Program : ELECTRICAL ENGINEERING

Transcript Number : 0539/TA/6.1.11/ITENAS/IX/2018

Grade

A = 4 Excellent

B = 3 Good

C = 2 Fair

D = 1 Inadequate

E = 0 Fail

COURSE DESCRIPTION	CREDIT	GRADE
EL--101 MATHEMATICS I	3	B
EL--102 MATHEMATICS II	3	C
EL--103 BASIC PHYSICS I	3	B
EL--104 BASIC PHYSICS II	3	B
EL--105 INDONESIAN	3	B
EL--106 CITIZENSHIP EDUCATION	3	A
EL--107 ENGLISH I	2	C
EL--111 INTRODUCTORY ELECTRICAL ENGINEERING	3	A
EL--112 ELECTRIC CIRCUIT I	3	D
EL--113 DRAWING TECHNIQUES	2	B
EL--114 BASIC COMPUTER AND PROGRAMMING	2	B
EL--115 ENVIRONMENTAL KNOWLEDGE	2	B
EL--116 PROBABILITY AND STATISTICS	2	A
EL--118 ELECTRIC MATERIAL	2	C
EL--202 ENGLISH II	2	B
EL--211 INFORMATION TECHNOLOGY	2	A
EL--212 ENGINEERING MATHEMATICS II	3	C
EL--213 ENGINEERING MATHEMATICS I	3	C
EL--214 ELECTROMAGNETIC FIELD	3	C
EL--216 ANALOG CIRCUIT	3	B
EL--217 ELECTRICAL MEASUREMENT	3	B
EL--218 DIGITAL CIRCUIT	3	B
EL--219 BASIC ELECTRONICS	3	C
EL--221 BASIC ELECTRICAL ENERGY	3	A
EL--222 BASIC TELECOMMUNICATION	3	C
EL--223 INTRODUCTION TO AUTOMATION SYSTEM	2	C
EL--224 BASIC CONTROL SYSTEM	3	C
EL--302 RELIGIOUS EDUCATION	3	B
EL--311 NUMERICAL ANALYSIS	3	B
EL--312 AC ELECTRICAL MACHINES	4	B
EL--313 TRANSFORMER AND DC ELECTRIC MACHINES	4	C
EL--314 ELECTRIC MOTOR CONTROL	4	A
EL--315 TRANSMISSION AND DISTRIBUTION ELECTRIC	4	B
EL--316 ANALYSIS OF ELECTRIC POWER	4	C
EL--317 HIGH VOLTAGE ENGINEERING	4	B
EL--318 SUBSTATION	2	B
EL--319 POWER ELECTRONICS	4	B
EL--390 JOB TRAINING	2	A
EL--411 ELECTRICAL ENERGY GENERATION	4	C
EL--412 PROJECT MANAGEMENT	3	B

COURSE DESCRIPTION	CREDIT	GRADE
EL--413 MEASUREMENT OF ELECTRICAL ENERGY	3	A
EL--414 CONTROL OF ELECTRICAL EQUIPMENT	3	B
EL--415 OVERVOLTAGE PROTECTION	3	A
EL--417 OVERCURRENT PROTECTION	3	B
EL--422 ELECTRICAL INSTALLATION	2	B
EL--423 MULTIMEDIA TECHNIQUES	2	A
EL--424 DESIGN OF ELECTRIC ENERGY	2	B
EL--425 CAPITA SELEKTA	2	A
ELA-204 ELECTRIC CIRCUITS II	3	D
ELA-500 FINAL PROJECT	4	B

Thesis :

SMART BUILDING DESIGN AND MODELING
USING PLC TM221CE16R MODICON

Graduated on : 14 September 2018

Total Credit : 144 GPA : 2,85

Predicate : Satisfactory

Dean,

Dani Rusirawan, S.T., M.T., Ph.D.



Bandung, 27 September 2018

Rector,

Dr. Imam Aschuri, Ir., M.T.