

Modul Description

Module name	Course Module
Module level, if applicable	Bachelor of Electronics Engineering
Code, if applicable	5215-186-2
Subtitle, if applicable	-
Course, if applicable	Kompetensi Pembelajaran
Semester(s) in which the module istaught	V
Person responsible for the module	Lecturer of Courses
Lecturer	Dr. Moch. Sukardjo, M.Pd
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a compulsory course and offered in the 5 th semester.
Type of teaching, contact hours	<p>Teaching methods used in this course are:</p> <ul style="list-style-type: none"> - Lecture (i.e., group investigation, small group discussion, case study, and video-based learning) - Structured assignments (i.e., essays and case study) <p>The class size for lecture is 30 students. Contact hours for lecture is 27 hours, assignments are 32 hours</p>
Workload	<p>For this course, students required to meet a minimum of 91 hours in one semester, which consist of:</p> <ul style="list-style-type: none"> - 27 hours for lecture, - 32 hours for structured assignments, - 32 hours for private study
Credit points	2 credit points (equivalent with 2.88 ECTS)
Requirements according to the examination regulations	Students must have attended all classes and submitted all class assignments that are scheduled before the final tests.
Recommended prerequisites	Students must have attended all classes and submitted all class assignments that are scheduled before the final tests.

<p>PLO-CLO-ILO</p>	<p>Course Learning Objectives (CLO1): Mahasiswa mampu meng-aplikasikan berbagai kemampuan dalam pembelajaran (25) (C3)</p> <p>Course Learning Objectives (CLO2): Mahasiswa mampu menganalisis situasi pembelajaran (25) (S6, C3)</p> <p>Course Learning Objectives (CLO3): Mahasiswa mampu menjelaskan komponen-komponen dalam pembelajaran (5) (C3)</p> <p>Course Learning Objectives (CLO4): Mahasiswa mampu menjelaskan kompetensi profesionalisme guru dalam pembelajaran (5) (C3)</p> <p>Course Learning Objectives (CLO5): Mahasiswa mampu melaksanakan kurikulum pendidikan teknik elektronika (25) (S6, C3)</p> <p>Course Learning Objectives (CLO6): Mahasiswa mampu memilih strategi dan media untuk diaplikasikan dalam pembelajaran (15) (S6, C3)</p> <p>Program Learning Outcomes (PLO1): Menerapkan pengetahuan dan keterampilan mengajar dalam pendidikan teknik elektronika</p> <p>Engineering and Education Skill (S6): Mampu meningkatkan kualitas pembelajaran berdasarkan penilaian proses dan penilaian hasil belajar teknik elektronika</p> <p>Competence (C3): Mampu merencanakan, melaksanakan dan mengevaluasi kurikulum pendidikan teknik elektronika</p>
<p>Content</p>	<p>Mata Kuliah Kompetensi Pembelajaran mencakup bahan kajian tentang: Pengertian Pembelajaran, Kompetensi Pendidik, Model-model Pembelajaran, Keterampilan Dasar Mengajar, Perangkat Pembelajaran dan Pelatihan Micro Teaching. Pengertian Pembelajaran membahas beberapa pengertian yang sangat erat kaitannya dengan Pembelajaran antara lain pengertian tentang: belajar, mengajar, pembelajaran, dan mendidik.</p>
<p>Forms of Assessment</p>	<p>Assessment is carried out based on written examinations, assessment/evaluation of the learning process and performance with the following components: Assignment: 20%; Presentation: 20%; Mid Test: 30%; Final Test: 30%</p>

Study and examination requirements and forms of examination	Study and examination requirements: <ul style="list-style-type: none"> - Students must attend 15 minutes before the class starts. - Students must switch off all electronic devices. - Students must inform the lecturer if they will not attend the class due to sickness, etc. - Students must submit all class assignments before the deadline. - Students must attend the exam to get final grade. Form of examination: Written exam: Essay
Media employed	Direct Whiteboard and Power Point Presentation.
Reading list	<ol style="list-style-type: none"> 1. Alan V. Oppenheim dan Alan S. Willsky 2001, Sinyal dan Sistem (Alih Bahasa : S Hamid Nahab), Penerbit Erlangga, Jakarta. 2. Sergio Franco, 2002, Design with Operational Amplifier and Analog Integrated Circuit – Third Edition, New York, McGraw Hill. 3. Mahmood Nahvi, dan Joseph A. Edminister, 2004, Rangkaian Listrik Edisi Keempat (Alih Bahasa : Gunawan Prasetyo dan Wiwit Kastawan), Penerbit Erlangga, Jakarta. 4. Thomas L. Floyd, dan David Buchla, 2002, Fundamentals of Analog Circuits Second Edition, Prentice Hall, New Jersey. 5. William H. Hayt, Jack E. Kemmerly, dan Steven M. Durbin, Rangkaian Listrik Jilid 1 Edisi Keenam (Alih Bahasa : Wiwit Kastawan), Penerbit Erlangga, Jakarta. 6. Texas Instruments Incorporated, 2000, Datasheet IC 741 GENERAL PURPOSE OPERATIONAL AMPLIFIERS, Texas Instruments, Texas. 7. ©Koninklijke Philips Electronics, 2001, Datasheet IC LM111/211/311/311B Voltage comparator, Philips Semiconductor. 8. Fakultas Teknik - UNJ, 2017, Pedoman Penyusunan Rencana Pembelajaran Semester (RPS) UNJ, Fakultas Teknik, Universitas Negeri Jakarta. 9. Fakultas Teknik - UNJ, 2012, Pedoman Akademik Fakultas Teknik (FT) 2012/2013, Fakultas Teknik, Universitas Negeri Jakarta.