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| Course Name [科目名] | Electronic Engineering Laboratory  |
| Instructor Name [教員] |  |
| Course Structure [授業形態] | Work in Laboratory  |
| Course Credits [単位数] | 3 |
| Course Overview [概要] | This course is totally experimental works in the laboratory about electronic engineering field. Under the consultation with laboratory staff, Several themes would be selected by each student. This laboratory works will cover experimental topics on the following courses, i.e.1) system electronics course2) electronic and information engineering course |
| Course Key Words [キーワード] | Laboratory work |
| Academic Goal [目標] | 1. able to obtain the experimental skills for the Electronic Engineering field2. able to explain and develop ideas of experimental data based on experiences of each student |
| Course Schedule [授業内容] | Week 1: Orientation and introduction of this courseThe safety training about electric and electronic engineeringWeek 2-10Following experimental themes are scheduled under consultation with laboratory staff1) Modulation, demodulation and communication electronics2) Digital communications and error corrections3) Microcomputer control and A/D, D/A converter4) Logic circuit design5) Circuit design using circuit simulator6) Measurement of optical and electronic characteristics of photodiodes and solar cells7) Induction motors8) Pattern recognition9) Digital Signal Processing |
| Textbooks, References, and Supplementary Materials[テキスト、参考書、その他] | Handouts and materials given on or before each theme. |
| Grading Philosophy(Percentage / Criteria / Methodology)[成績評価の方法] | Participation in the experimental work and reports  |
| Other(i.e. Expectations on Classroom Conduct and Decorum etc.)[その他] |  |