

(SYLLABUS)

1.

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|----------------------|-------------------------------|--------------|----------------------------|-------------------------|-------------------|
| (Course Title) | | (Instructor) | | | |
| (Year) | 2023 | (Semester) | 2 | (Course No.) | 2150085201 |
| (Class) | 01 | (Open to) | 3, 4 | (Course Classification) | - |
| (Credit) | 1.0 | | 02 | | 100 |
| | | | | | |
| (Office) | | (Telephone) | 02-828-7151 | (e-mail) | kingojt@ssu.ac.kr |
| | (PBL) | | | | |
| | (*) (ABEEK Classification) | | (*) (ABEEK Requirement) | | |
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| | | | | | |
| (Course Description) | | | | | |

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| (Required Texts) | | |
| | () | * /Microelectronics/B.Razavi/Wiley/2012/2 |
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2.

| (Week) | (Keyword) | (Description) | | (Texts) |
|--------|-----------------------------------|---|---|---------|
| 01 | Introduction | - | , | |
| 02 | Simulation method | - | , | |
| 03 | Diode | - | , | |
| 04 | Rectifier | - | , | |
| 05 | MOSFET | - | , | |
| 06 | MOSFET biasing | - | , | |
| 07 | common-source (CS) | - / | , | |
| 08 | common-gate (CG) | - / | , | |
| 09 | Inverting/non-inverting amplifier | - OP-AMP Inverting/non-inverting amplifier r | , | |
| 10 | Differentiator | - OP-AMP (Differentiator) | , | |
| 11 | Integrator | - OP-AMP (Integrator) | , | |
| 12 | Project based Learning (PBL) | - () | , | |
| 13 | Project based Learning (PBL) | - () | , | |
| 14 | Project based Learning (PBL) | - () | , | |
| 15 | Project based Learning (PBL) | - () | , | |

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| | Open-ended problem | | |
| | Teamwork | | |
| | Communication skills | | |