EE2002
Analog Electronics
Part 1

Assoc. Prof. Liter **SIEK**

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Syllabus with 4AUs

Part 1 Liter SIEK (S2-B2c-106)
- (1) Op-Amps
- (2) Diodes

Part 2 ZHENG Yuanjin (S2.2-B2-46)
- (3)Single-Stage Amplifiers(BJT)
- (4)Single-Stage Amplifiers (MOSFET)

Part 3 SIT Ji-Jon (S2.2-B2-02)
- (5)Frequency Response (Bode Plot)
- (6) Frequency Response (SCTC & OCTC)

SIEK Liter (Subj. Co-ord) (S2-B2c-106)

Text book: Microelectronic Circuit Design
By Richard C. JAEGER & Travis N. BLALOCK
2nd Edition or 3rd Edition and beyond

Part 1 Liter Siek (S2-B2c-106)
Lectures from *W*eek 1 to 4

Part 2 Zheng YuanJin (S2.2-B2-46)
Lectures from *W*eek 5 to *8*

Part 3 Sit Ji-Jon (S2.2-B2-02)
Lectures from *W*eek 9 to 12

Background req'd

- Ohm's Law
- Thevenin's Equivalence
- Superposition Theorem
- KCL
- KVL
- Resistor/potential divider
- Laplace
- A good understanding of EE2001

Georg Simon Ohm 1789-1854

CA ([15 + 5x2 + 5x3 +10]%= 50%)

- Quiz on Wk 6 (betw. 2.30pm-4.00pm Sat. 19 Feb. 2022)
  - To be conducted on Saturday(venue tbd).
  - On Op-Amps and Diodes ONLY
  - 35 minutes 10 MCQs
  - 15% contribution to the final
- 2 assignments each 5% contribution to the final (total:10%)
- 3 Lab Experiments each 5% contribution to the final (total:15%)
- Class Participation (total:10%)

EXAM

(27th April 2022 Wednesday 9.00AM 2.5hrs)

- 4 Questions equally weighted
- No choice
- 50% contribution to final
- Questions from Part 1(1Q), Part 2(2Qs) and Part 3(1Q).