

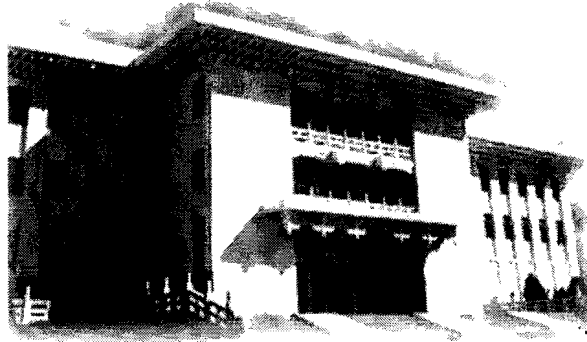
Microelectronics

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TAMKANG UNIVERSITY
Department of Physics

Microelectronics (edited by Chun-Nan Chen)

1

Syllabus (1/2)

Text Book:

Adel S. Sedra & Kenneth C. Smith

“Microelectronic Circuits”

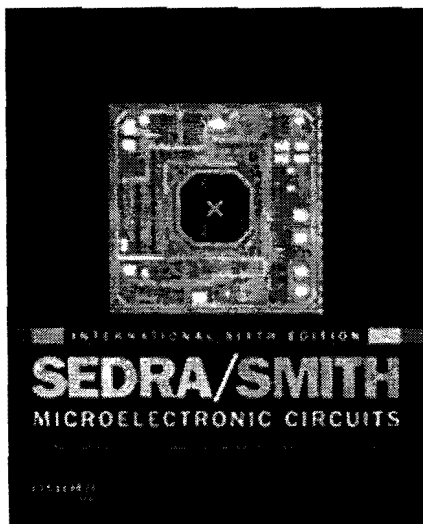
(Oxford University Press)

(台北圖書公司 : 02-23625376)

Reference Book:

D. A. Neamen, “Microelectronics: circuit analysis and design”, (McGraw-Hill press)

T. L. Floyd, “Electronic Devices”, (Pearson press)



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2

Syllabus (2/2)



Text Book:

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這本教科書是電子學的聖經本，國內外一流大學一般皆採用它當上課用書，也是國內電子電機研究所的考試指定用書，同時它貼近產業界，故本課程採用它當上課用書。



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Outline

其 Chapter Titals :

Chapter 11. Single-Stage Integrated-Circuit Amplifiers

Chapter 12. Differential and Multistage Amplifiers

Chapter 13. Feedback

Chapter 14. Filters and Tuned Amplifiers

Chapter 15. Signal Generators and Waveform-Shaping Circuits



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Grades

✚ Midterm Examination : 25%

✚ Final Examination : 25%

✚ Quiz #1~2 : $20\% \times 2 = 40\%$

✚ Absences : -2% from 10%

