- EE 351000 控制系統
- Instructor: Wei-Yu Chiu, Delta 862
- TA:蔡元博陳宣燁 EECS 871
- Class venue: Delta 215
- Class time: T3T4R3

- Calculus

→ Taylor series expansion

- Linear algebra, differential equations

→ dynamics and superposition principle

- General physics and electric circuits

→ mathematical models

- Complex analysis

→ residue evaluation and Nyquist criterion

Grading system:

- 4 exams: 20%*4

3/30, 4/27, 5/25

6/22

Assigned exercises, terms in checklist, and reading materials may appear in the exams

- Matlab simulations: 20%

Tutorials will be given

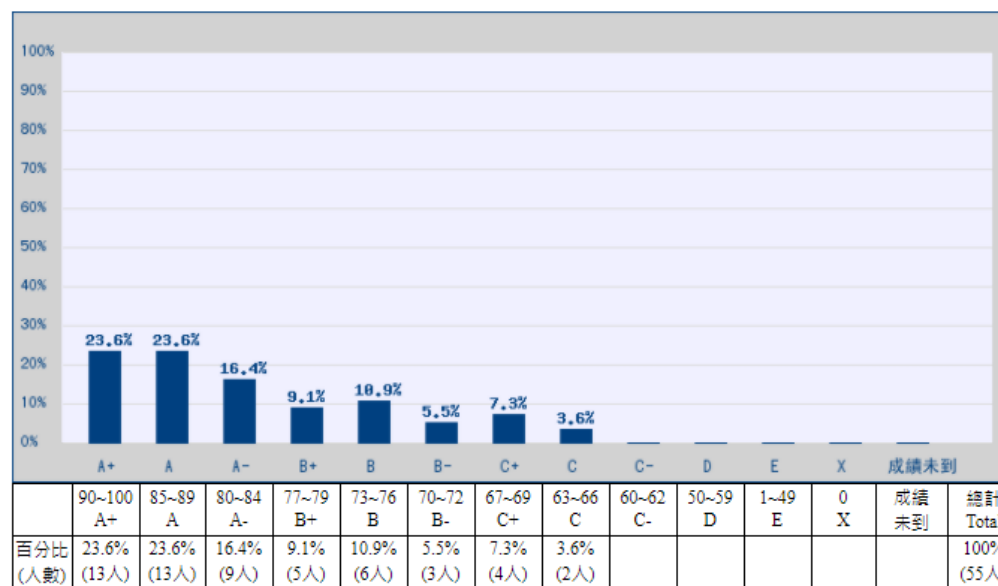Simulation HW: assigned in class and due in one week

表一、清華大學等級制成績與百分制換

等級計分法 (Grade)	百分制 分數區間	積分 Grade point
A+	90~100	4.3
A	85~89	4.0
A−	80~84	3.7
B+	77~79	3.3
B	73~76	3.0
B− （研究生及格標準）	70~72	2.7
C+	67~69	2.3
C	63~66	2.0
C− （學士班及格標準）	60~62	1.7
D	50~59	1.0
F	1~49	0.0
X	0	0.0

- 因病無法參與考試，請務必提供證明
- 期末無需寄信給老師或TA要分數

10820EE 351000　控制系統

百分比 (人數)	90~100 A+	85~89 A	80~84 A-	77~79 B+	73~76 B	70~72 B-	67~69 C+	63~66 C	60~62 C-	50~59 D	1~49 E	0 X	成績 未到	總計 Total
	23.6% (13人)	23.6% (13人)	16.4% (9人)	9.1% (5人)	10.9% (6人)	5.5% (3人)	7.3% (4人)	3.6% (2人)						100% (55人)

10710EE 351000　控制系統

百分比 (人數)	90~100 A+	85~89 A	80~84 A-	77~79 B+	73~76 B	70~72 B-	67~69 C+	63~66 C	60~62 C-	50~59 D	1~49 E	0 X	成績 未到	總計 Total
	12.5% (4人)	25.0% (8人)	25.0% (8人)	12.5% (4人)	3.1% (1人)	6.3% (2人)	3.1% (1人)	9.4% (3人)		3.1% (1人)				100% (32人)
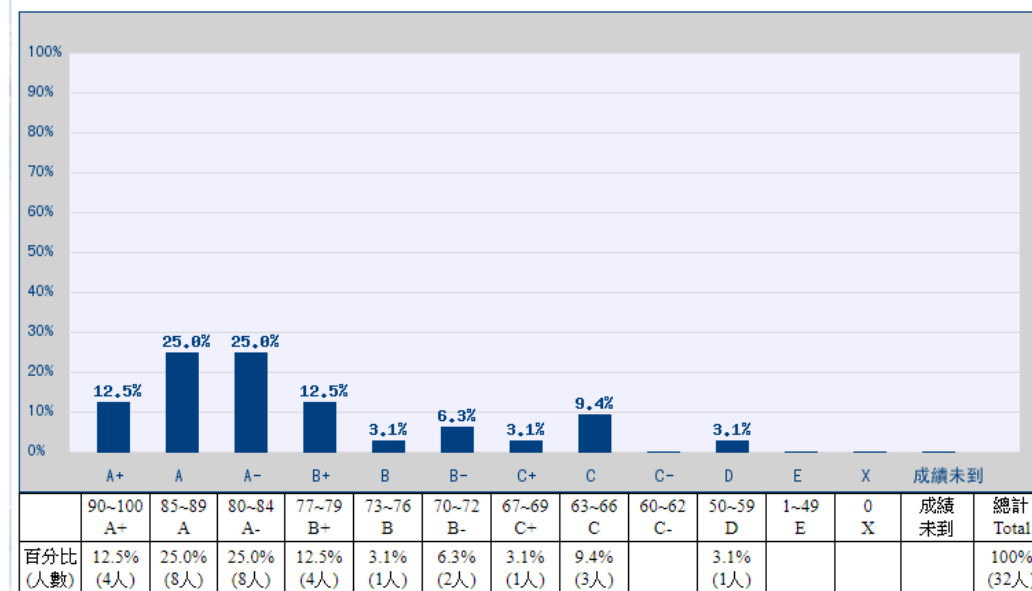
106~108學年度 學士班 學生成績轉換為等級人數百分比分佈圖

	100~90 A+	89~85 A	84~80 A-	79~77 B+	76~73 B	72~70 B-	69~67 C+	66~63 C	62~60 C-	59~50 D	49~1 E	0 X
108	25.32%	23.83%	19.38%	7.54%	7.2%	4.23%	2.62%	2.8%	2.87%	1.73%	2.1%	0.38%
107	24.81%	23.06%	19.54%	7.33%	7.27%	4.36%	2.76%	3.01%	3.23%	1.94%	2.22%	0.47%
106	23.28%	21.72%	19.23%	7.88%	8.02%	4.84%	3.11%	3.29%	3.7%	1.96%	2.54%	0.44%
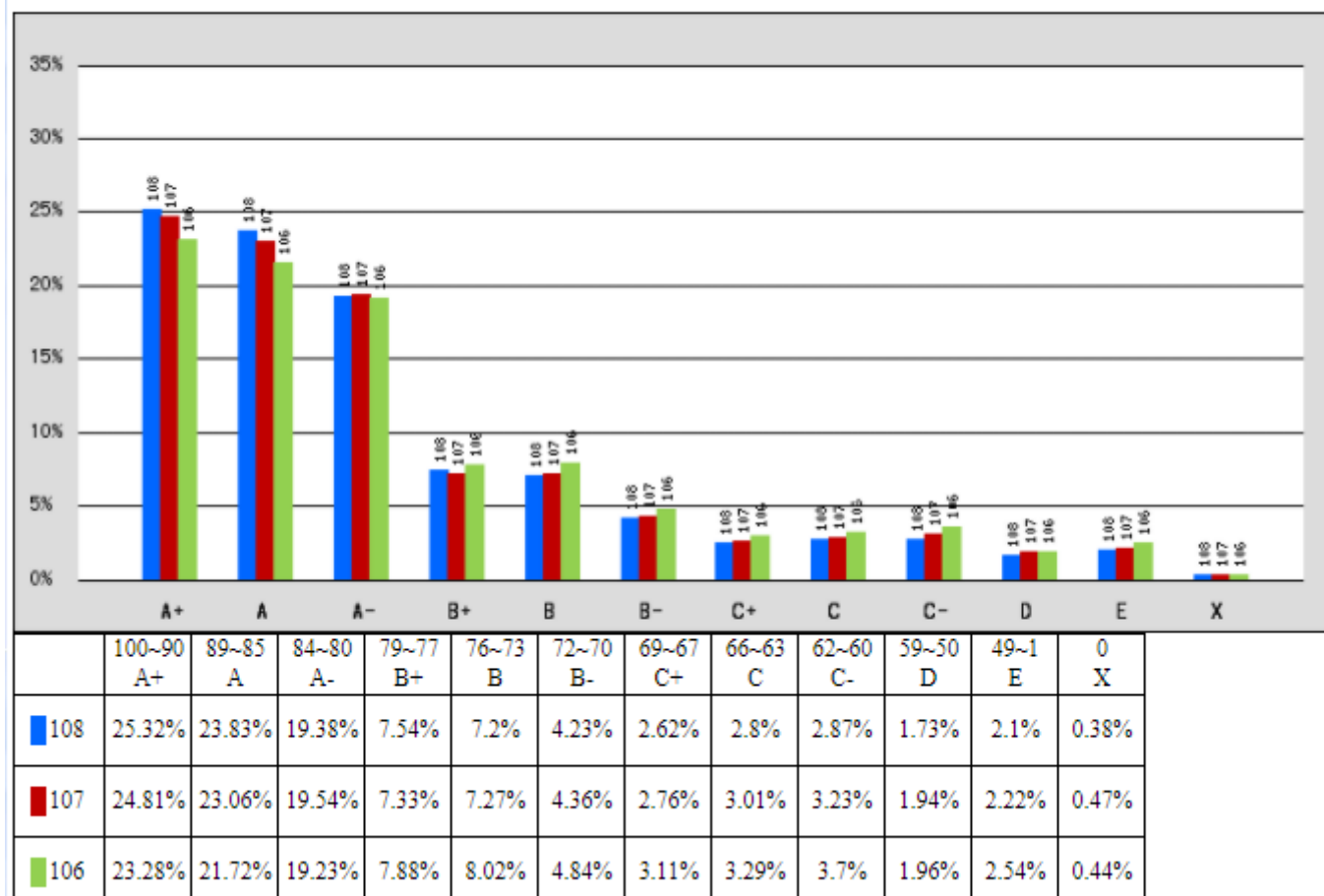
Modern Control Systems

THIRTEENTH EDITION

Richard C. Dorf • Robert H. Bishop

- Chapter 1 Introduction to Control Systems
- Chapter 2 Mathematical Models of Systems
- Chapter 3 State Variable Methods
- Chapter 4 Feedback Control System Characteristics
- Chapter 5 The Performance of Feedback Control Systems
- Chapter 6 The Stability of Linear Feedback Systems
- Chapter 7 The Root Locus Method
- Chapter 8 Frequency Response Methods
- Chapter 9 Stability in the Frequency Domain
- Chapter 10 The Design of Feedback Control Systems