

課程名稱：生醫訊號與系統

英文課名：Biomedical Signals and Systems

學分數：3

課程編號：BMES442100

開課時間：M2, M3, M4

授課地點：BMES 301R

授課對象：大學部三 以上

授課教師：葉秩光 教授 (ckye@mx.nthu.edu.tw)

Office: BMES 421 TEL: 03-5715131-34240

Office Hours: Tuesday 10:00am - 12:00am or by appointment

課程目的：

Students learn principles and applications of biomedical signals and systems

課程大綱：

1. Introduction to Biomedical Signals
2. Signals and Systems
3. Fourier Series and Transform
4. Sampling
5. Laplace Transform
6. Z-transform

授課方式：

Lecture

成績：

Midterm: 25%

Final: 25%

Quizzes: 30% (15% by 2)

Home works: 20% (Matlab Program by 2-3)

課本：

1. Signals and System, by A. V. Oppenheim and A. S. Willsky, 2nd ed., Prentice-Hall, 1997

參考書目：

2. System Theory and Practical Applications of Biomedical Signals, by G. D. Baura, John Wiley & Sons, 2002

助教：

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Office Hours:

9/12	
9/19	
9/26	
10/3	
10/10	放假
10/17	小考 1
10/24	
10/31	
11/7	期中考
11/14	
11/21	
11/28	
12/5	小考 2
12/12	
12/19	
12/26	
1/2	放假
1/9	期末考