Introduction to Applied Medical Electronics
1st semester, 2012

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Classroom: 203D
Time: WED. 5-6, 11/21/2012-1/16/2013

Course description:
This is a course for 8 weeks with two hours per week. This course will introduce the basic concepts of the principles and applications for the topics related to the medical electronics. The topics covered in this course are listed in the following:

Scheduled topics:
Week 1. Basic electronics
Week 2. Biomedical signal and image processing (I)
Week 3. Biomedical signal and image processing (II)
Week 4. Biomedical instrumentation (I)
Week 5. Biomedical instrumentation (II)
Week 6. Medical imaging system (I)
Week 7. Medical imaging system (II)
Week 8. Bioimpedance technique in medical applications
Week 9. Final report deadline (01/16/2013)

Grading method:
2 Homeworks (40%)
1 Final report (50%)
Class attendance (10%)