

EE6933 – Topics in Biomedical Engineering

COURSE OUTLINE Fall 2009-10

Lecture Times: None
Lecture Room: N/A
Tutorials: None
Labs: None

Instructor: D MacIsaac
Office: ITD418 (not available)
Office Hours: By Appointment
Email: dmac@unb.ca (tag: {EE6933})
Course Website: <http://www.ece.unb.ca/Courses/DM/EE6933>

Course Description

The purpose of this course is to offer graduate students interested in biosignal research an opportunity to become familiar with some important aspects of the field. This is a directed reading course so most learning will take place independently through a series of literature reviews. Content for reviews will be directed according to reports which must be submitted regularly. Suggested topics for review are delineated below but students are encouraged to submit other areas of interest:

- Research methods and statistical analysis
- Biosignal modeling
- Simulation engineering
- Myoelectric signal analysis
- Time-frequency analysis
- Clinical wireless systems

Submitting Reports

EE6933 is a directed reading course. Regular submissions of reports based on readings are expected. Submissions will not be accepted all at once at the end of term and students who do not submit updates regularly may be asked to withdraw from the course. Student being asked to withdraw from the course for any reason may expect only 1 warning.

Marking Scheme

- Student grades will be tallied according to:

Regular Reports: 50%
Term Paper: 50%

- Numerical-to-letter grade conversion:

A+	90-100	B+	76-79	C+	60-69	D	40-49	F	<40
A	85-89	B	73-75	C	50-60				
A-	80-84	B-	70-72						

- All cases of cheating and/or plagiarism will be reported to the university. Penalties can include failure of the activity in question or failure of the course (see Appendix to Syllabus for further details).
- Serious cases of general misconduct will be reported to the university. As outlined in the UNB undergraduate calendar, the Board of Governors of the University has approved a set of general regulations which aim to foster a university environment which is:

“conducive to the development of the whole person...All members of the university community have the right to work and/or study in an environment which affords them respect and dignity, and is free from danger, discrimination, harassment, intimidation, and behavior which is destructive, disruptive or unlawful”.

The university has defined standards of student behavior and made provisions for student discipline when they engage in conduct that is inconsistent with the principles laid out in the General Regulations (C-D). It is the responsibility of each student to understand and abide by regulations regarding general conduct as outlined in the UNB undergraduate calendar.

Reference Materials

- See course website for a regularly updated list of reference materials.