

3505

Syllabus - Respiratory Therapy ~~3810d~~
Laboratory Practice, Instrumentation in Polysomnography

Taught by Will Spriggs, B.S., R.PSG T.
W 6:30 - 8:00p
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Wednesday, Aug 29	Introduction to the sleep lab
Wednesday, Sep 5	Equipment set up
Wednesday, Sep 12	Introduction to the patient hookup - the International 10/20 system (bring a hat to wear home, we will be measuring and marking each other's heads)
Wednesday, Sep 19	EEG monitoring (bring a hat to wear home, we will be applying electrodes to each other's heads)
Wednesday, Sep 26	No lab (exam 1 in class)
Wednesday, Oct 3	Full patient hookup (wear loose-fitting clothing, we will be performing full patient hook ups on each other)
Wednesday, Oct 10	Full patient hookup - measuring impedances (wear loose-fitting clothing)
Wednesday, Oct 17	Montages, adjusting filter and sensitivity settings
Wednesday, Oct 24	Performing amplifier calibrations
Wednesday, Oct 31	No lab (exam 2 in class)
Wednesday, Nov 7	Review EEG hookup (bring a hat)
Wednesday, Nov 14	Review full patient hookup (wear loose-fitting clothing)
Wednesday, Nov 21	Practice patient hook ups (wear loose-fitting clothing)
Wednesday, Nov 28	Identifying and correcting artifacts
Wednesday, Dec 5	Lab Final Exam

As you can see from the outline, there will be no lab on days in which we have an exam in class. This is to allow you to better prepare for the exams in class and not have to worry about a lab after the test. However, it is highly recommended that you practice your hookup procedures at home on weeks we do not have lab so that you will be better able to keep your skills fresh. For the final exam you will have a time limit to perform all tasks in, and will be docked points for taking too much time. If you have practiced the hookup procedure at home many times in preparation for the final, this will help you perform all the tasks within the given time limit.

The lab final exam will be a composite of everything that has been taught in class and in the lab during the semester. For the final exam, you will demonstrate the skills you have learned by performing a complete hook-up on a practice patient, setting up all equipment, ensuring connections between the equipment and the computer, troubleshooting the equipment, calibrating all equipment with the computer, selecting an appropriate montage, checking impedances, performing a short study on the practice patient (including patient care, patient questionnaires, writing tech notes, correcting artifacts, and properly closing the study), shutting down the equipment, unhooking the patient, and properly cleaning the equipment using the