

# Lab Syllabus

Physics of Speech (SPLH/LING 120)  
Spring 2019

**Instructor:** Mallory Miller B.A.

**Office hours:** 3025 Dole, Friday 11am-12pm or by appointment

**Email:** mmiller30@kumc.edu

## I. Computer Lab- Dole HDC 3049

- Each student will work at his or her own computer workstation. All software for this lab is available on the computers.
- **Praat** (<http://www.fon.hum.uva.nl/praat/>) is the primary sound synthesis and analysis software that we will use in this lab.
- You will also be using:
  - Headphones (**please bring your own headphones**)
  - Digital sound level meter (provided)
- There are **no textbooks** assigned for this lab.

## II. Lab Assignments

- Lab instructions will be posted to Blackboard the Monday before the lab session is held.
- There will be **10 lab assignments**.
- You will download instruction, and sound files for these labs from Blackboard.
- There are no planned extra credit assignments.
- Please ask questions and ask for help on anything you are not 100% sure about.

## Lab Schedule

	<u>Title</u>	<u>Date</u>
Intro	Class and Software Overview	1/25/19
Lab 1	Generating & Measuring Sine	2/1/19
Lab 2	Pitch and Frequency	2/8/19
	NO LAB	2/15/19
Lab 3	Loudness and Intensity	2/22/19
Lab 4	Complex Waves	3/1/19
Lab 5	Filters	3/8/19
	NO LAB	3/15/19
	NO LAB	3/22/19
	NO LAB	3/29/19
Lab 6	Vowel Space	4/5/19
Lab 7	Co-articulation and Word	4/12/19
Lab 8	Noise and Hearing Loss	4/19/19
Lab 9	Speech Perception	4/26/19
Lab 10	Final Lab	5/3/19
	STOP DAY (NO LAB)	5/10/19

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## III. Lab Attendance

- For each lab session, you will be counted as “present” or “absent”. In order to get full credit for lab attendance, you MUST attend EVERY lab session.
- Notify the lab instructor of any anticipated absence and the absence may be considered *excused* at the discretion of the instructor.
- Excused absences allow you to make-up the lab assignment the following week. Unexcused absences result in a “zero” for that lab and assignments cannot be made up.

## IV. Grades

- Your lab grade will be based on 300 points: 270 from lab assignments and 30 from attendance.
- Your Lab Assignments score will be based on scores of 9 of the 10 lab assignments. Your lowest lab score will be dropped.
- Late Submission is not accepted and your score will be a zero.

Activity	Points(each)	% of Lab Grade
Lab Assign.	27	90
Attendance	3	10

## V. Lab Guidelines

- The computers are to be used for completing the lab ONLY. This **means no checking email, no using social media, no “googling” anything.** This rule MUST be adhered to as we have had problems in the past with viruses on these computers, which may shut the lab down for a long period of time.
- Your completion of the labs should be your own original, independent work. Feel free to ask your neighbor simple questions—where a command is, clarification of an instruction, etc. Note that there are large random errors in the analysis we do so nobody should have all the exact same answers.