

# Lab Syllabus

Physics of Speech (SPLH/LING 120)  
Fall 2018

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

**Office hours:** 3025 Dole, Friday 12-1 or by appointment

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## 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>
<b>Intro</b>	<b>Class and Software Overview</b>	<b>8/24/18</b>
<b>Lab 1</b>	<b>Generating &amp; Measuring Sine</b>	<b>8/31/18</b>
<b>Lab 2</b>	<b>Pitch and Frequency</b>	<b>9/07/18</b>
	<b>NO LAB</b>	<b>9/14/18</b>
<b>Lab 3</b>	<b>Loudness and Intensity</b>	<b>9/21/18</b>
<b>Lab 4</b>	<b>Complex Waves</b>	<b>9/28/18</b>
<b>Lab 5</b>	<b>Filters</b>	<b>10/05/18</b>
	<b>NO LAB</b>	<b>10/12/18</b>
<b>Lab 6</b>	<b>Vowel Space</b>	<b>10/19/18</b>
	<b>NO LAB</b>	<b>10/26/18</b>
<b>Lab 7</b>	<b>Co-articulation and Word</b>	<b>11/02/18</b>
<b>Lab 8</b>	<b>Noise and Hearing Loss</b>	<b>11/09/18</b>
<b>Lab 9</b>	<b>Speech Perception</b>	<b>11/16/18</b>
	<b>NO LAB</b>	<b>11/23/18</b>
<b>Lab 10</b>	<b>Final Lab</b>	<b>11/30/18</b>
	<b>STOP DAY(NO LAB)</b>	<b>12/07/18</b>

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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.
- All absences will impact your attendance grade; however, 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.
- The first two absences will reduce your attendance grade by 3 point each. The third absence will result in a zero for attendance for the semester.
- **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. *Any activity you perform on the laboratory computer that is not directed by Dr. Hunter or Ms. Miller will result in your immediate dismissal from the laboratory and a score of “0” for the laboratory assignment.*
- 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.
- When you leave the lab at the end of the hour, **DO NOT SHUT DOWN** the computer, as other students will be on their way in.