

**ELEC 2210 PRE-LAB COVER PAGE**  
Complete and attach this page to the front of your pre-lab.

Meeting # 8 Free Space Optical Communication Link  
*Title of Lab Experiment*

Student Name: Emerson Gabriel T  
*Name (Last, First, MI)*

Student Email: gte0002  
*AU 7-character username*

GTA: Paul Atilola  
*Name of your GTA*

Section you are enrolled in: (Circle One) 1 2 3 4 5 6 7 8

Date pre-lab submitted: (dd / mm / yy): 3/8/21

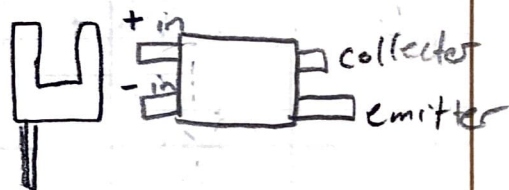
I hereby certify that this pre-lab work was performed and written by me exclusively.

  
Student signature

3/8/21  
Date signed

# Prelab 8

3/8



4.) It is clear because it needs to read the IR coming in to the transistor.

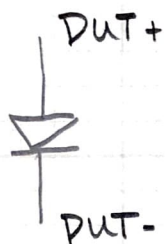
\* Help for AM or FM is found pages 61-65

$$\text{AM: } A = A_c(1 + k_2 V_{in})$$

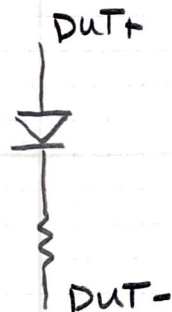
$$\text{FM: } f = f_c(1 + k_1 V_{in})$$

2.)

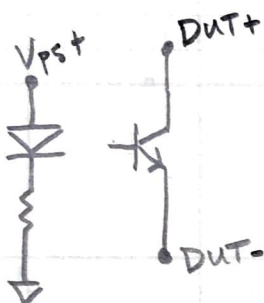
6.6.1.1



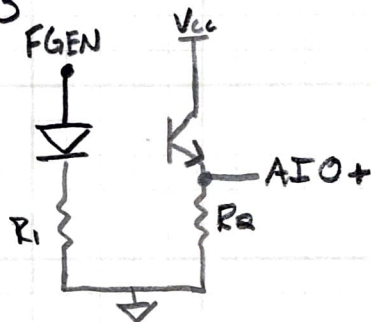
6.6.1.2



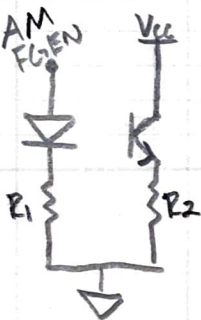
6.6.2



6.6.3

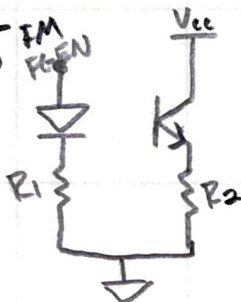


6.6.4



\*Also connect  
AIO to AM  
input of FGGEN

6.6.5



\*Also connect  
AIO 1 to FM  
input of FGGEN