**LEARNING DIARY 1 (max 3 pages)**

ELEC-E9210 – Organic Electronics (Fall 2022)

**Your name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date/Week:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**How long did it take you to write the learning diary this week**? \_\_\_\_\_\_ h

* *What did I learn? How is what I learned linked to what I have learned before in other classes?*
* *Was there some vocabulary that was not familiar to me? If yes, can you provide example(s)?*
* *Was it there something I did not understand? Why I did not understand (for example, explanation not clear, missing concepts or tools to understand, totally new concept, etc.?)*
* *Is what I am learning relevant to other things I have studied or that I plan to study in the future? What is the connection?*
* *Would you suggest anything done differently?*
* *If I think about this week classes (recorded lecture, slides, in-class activities, etc.), is there something which I have found very helpful in understanding concepts and/or mechanisms? Or on the opposite, did I find something extremely difficult which was not helping my learning?*
* *Any comments on the class?*

(You do not need to answer all the above questions)

*Pick two of the following topics discussed in class and briefly describe them in your own word (please choose a topic different from the one that you have discussed in class. You can share examples, when relevant, to support the description:*

* *What is the HOMO and LUMO in organic materials?*
* *Small molecule vs. polymers: properties and differences*
* *Why is morphology important?*
* *AFM vs STM: working mechanism and differences*
* *Jablonski diagram: details about absorption and light emission*
* *What is an exciton? what is its dynamics?*
* *Charge transport in organic materials? (Role of disorders)*
* *What is mobility? How can I measure it?*