

DAPHNIA CULTURE (*Daphnia Magna*) IN THE LABORATORY (48H)

A) THEORICAL MODULE

1. Introduction :
 - a. Ecological definition of *Daphnia*
 - b. Taxonomy -> *Daphnia Magna*
 - c. Life cycle
 - d. Classification
 - e. Location
2. Ideal ecology (Environmental conditions) for *Daphnia Magna*
3. Physiology de *Daphnia Magna*
 - a. Anatomy
 - b. Reproduction
4. Feed of *Daphnia Magna*
 - a. Nutritional needs
 - b. Phytoplankton used in laboratory
5. Pathologies in *Daphnia Magna*
 - a. Parasites
 - b. Problem related to poor nutrition
 - c. Optimal growing conditions for *Daphnia Magna*
 - d. Material
 - e. Environnemental conditions
 - f. Feed
 - g. Harvesting, renewal of the environment and culture
 - h. Presence/absence of other elements

B) LABORATORY MODULE

1. Establishment of a culture
2. Metering / maintenance / renewal protocol
3. Analysis