SYLLABUS COURSE: BIOLOGIA

A - FROM THE CELL TO THE LIVING

1. FEBRUARY 22 - THE LIVING AND THE BIOMOLECULES (2 HOURS) (Zavattoni) 
2. FEBRUARY 24 - BIOMOLECULES (2 HOURS) (Zavattoni)

3. MARCH 1 - THE PROKARYOTE CELL, THE DOMAINS OF PROKARYOTES (2 HOURS) (Zavattoni)

4. MARCH 3 - THE ANIMAL AND PLANT EUKARYOTIC CELLS (2 HOURS) (Zavattoni)

5. MARCH 8 - VIRUSES AND PROKARYOTES. CORONAVIRUS CELL MEMBRANE (2 HOURS) (Zavattoni)

6. MARCH 10 - CELLULAR MEMBRANE (2 HOURS) (Zavattoni)
7. MARCH 15 - MITOSIS (2 HOURS) (Zavattoni)
8. MARCH 17 - MEIOSIS (2 HOURS) (Zavattoni)
9. MARCH 22 - SUMMARY OF MITOSIS AND MEIOSIS - SUMMARY OF THE FIRST PART (2 HOURS) (Zavattoni)

10. MARCH 24 - EXAM (Zavattoni)
11. MARCH 29 - MENDEL (Taverna)
12. MARCH 31- GENETICS AFTER MENDEL (2 HOURS) (Taverna)
13. APRIL 7 - GENETICS SUMMARY, EVOLUTION (2 HOURS) (Taverna)
14. APRIL 12 - DARWIN AND THE EVOLUTION (2 HOURS) (Taverna)
15. APRIL 14 - SUMMARY OF EVOLUTION, CLASSIFICATION OF EUKARYOTES IN THE KEY OF EVOLUTION (2 HOURS) (Taverna)

16. APRIL 19 - NUCLEIC ACIDS AND DNA DUPLICATION (2 HOURS) (Taverna)
17. APRIL 21 - DNA - THE GENETIC CODE RNA (2 HOURS) (Taverna)
18. APRIL 26 - SYNTHESIS OF PROTEINS, MUTATIONS (2 HOURS) (Taverna)

19. APRIL 28 - ELEMENTS OF GENETIC ENGINEERING AND SUMMARY OF SECOND PART (2 HOURS) (Taverna)

20. MAY 3 – EXAM (Taverna)
21. MAY 5 - THE ACTIVITY OF THE CELL. ENERGY-PHOTOSYNTHESIS (2 HOURS) (Zavattoni)

22. MAY 10 - CELLULAR RESPIRATION (2 HOURS) (Zavattoni)
23. MAY 12- COMPARISON BETWEEN PHOTOSYNTHESIS AND CELLULAR RESPIRATION (2 HOURS) (Zavattoni)
B- HUMAN ANATOMY AND PHYSIOLOGY

1. MAY 13 - RESPIRATORY SYSTEM, ANATOMY AND PHYSIOLOGY (2 HOURS) (Zavattoni)
2. MAY 17 - RESPIRATORY SYSTEM AND HEART SUMMARY (2 HOURS) (Zavattoni)
3. MAY 19 - THE BLOOD AND THE CIRCULATORY SYSTEM (2 HOURS) (Zavattoni)
4. MAY 20 – EXAM (Zavattoni)
5. MAY 24 - THE DIGESTIVE SYSTEM, ANATOMY AND PHYSIOLOGY (2 HOURS) (Taverna)
6. MAY 26 - THE IMMUNE SYSTEM (2 HOURS) (Taverna)
7. MAY 27 - STRUCTURE AND FUNCTION OF THE NEURON (2 HOURS) (Taverna)
8. MAY 31 - ORGANIZATION OF THE NERVOUS SYSTEM (2 HOURS) (Taverna)
9. JUNE 3 - THE ENDOCRINE SYSTEM (2 HOURS) (Zavattoni)
10. JUNE 7 - NERVOUS AND ENDOCRINE SYSTEM SUMMARY (2 HOURS) (Taverna)
11. JUNE 9 - GENERAL SUMMARY LESSON (2 HOURS) (Taverna)
12. JUNE 10 - GENERAL SUMMARY LESSON (2 HOURS) (Zavattoni)
13. JUNE 11 - EXAM SIMULATION (2 HOURS) (Taverna / Zavattoni)

During the course, some homework will be assigned and corrected in class.

Teaching material

Slides - Recordings - Material for the lessons