



BIOLOGY IMAT PROGRAMME (update 08/06)

Lecturer

Silvia Anna Ciafrè

Teaching Hours

15

Analytical Syllabus

Date	Topics	Hours
August 28th	Living organisms; cell theory; properties of water; macromolecules, biological membranes	3
August 29th	Membrane transport; cell cycle; mitosis and meiosis	3
August 30th	DNA replication; transcription; types of RNA; steps of RNA processing	3
August 31st	Karyotype; chromosomes; chromosomal aberrations	3
September 1st	Mendel's laws; Mendelian inheritance. Mendel's experiments and the concept of segregation of characters. Alleles and loci, homozygosity and heterozygosity, dominance and recessivity, incomplete dominance, codominance.	3