

Professionalizing Training Activities BASIC SCIENCES	1st year - 2CFU	
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Skills	Content	CFU	Location	
PRESENTATION: OBJECTIVES / METHODS / VERIFICATION	Presentation of the first year skills - presentation of the organization of activities; - knowledge acquisition methodology; - method of verification of the objective.	0.2	learn.univpm.it	
APPLIED GENETICS	1. Human cytogenetics: the normal human karyotype; study methodologies; anomalies in the number and structure of autosomes and sex chromosomes; genomic imprinting and uniparental disomy pathology. 2. Genetics of tumors. 3. Diagnosis and prevention of hereditary diseases, gene therapy..	0.4	Classroom	Prof. Francesco Piva
BIOCHEMISTRY OF MACROMOLECULES AND APPLICATION	1. Guidelines for proper nutrition; nutritional needs in different age groups 2. Diet, weight control, body mass indexes (body mass index, waist circumference, waist/hip ratio, bioimpedance and plicometry) 3. Food choices 4. Tools for assessing eating habits and lifestyles 5. Consultation of scientific and informative material 6. PCR, agarose gel electrophoresis and Real-Time PCR	0.9	Classroom	Prof.ssa Arianna Vignini Prof. Davide Sartini
LABORATORY EXERCISES (Histology)	To describe and recognize histological preparations using the light microscope.	0.5	Lab of microscopes	Prof.ssa Monia Orciani