

PROFESSIONALIZING ACTIVITIES - FIRST YEAR 2 CFU					
Skills	Content	CFU	Location	Schedule	
PRESENTATION: OBJECTIVES / METHODS / VERIFICATION	Presentation of the first year skills	0,20	learn.univpm.it	SECOND SEMESTER	
	- presentation of the organization of activities;				
	- knowledge acquisition methodology;				
	- method of verification of the objective.				
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.	0,40	Classroom	SECOND SEMESTER	Prof. Francesco Piva
	2. Genetics of tumors.				
	3. Diagnosis and prevention of hereditary diseases, gene therapy.				
BIOCHEMISTRY OF MACROMOLECULES AND APPLICATION	1. Guidelines for proper nutrition; nutritional needs in different age groups	0,90	Classroom	SECOND SEMESTER	Prof.ssa Arianna Vignini (50%) Prof. Davide Sartini (50%)
	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				
LABORATORY EXERCISES (Histology)	To describe and recognize histological preparations using the light microscope.	0,50	Lab of microscopes	SECOND SEMESTER	Prof.ssa Monia Orciani
Total		2,00			