

Main course information	
Academic subject	Human Genetics laboratory
Degree course	Master's Degree in Cellular and Molecular Biology
Classe di laurea	LM6
ECTS credits (CFU)	2
Compulsory attendance	yes
Teaching language	Italian
Accademic Year	2019/2020

Docente responsabile	
Name & SURNAME	Nicoletta Archidiacono
email	nicoletta.archidiacono@uniba.it
Tel.	0805442482
Tutorial time/day	every day from 2pm to 4pm

Course details	Study area	SSD code	Type of class
	Genetics	BIO/I8	laboratory

Teaching schedule	Year	Semester
	first	first

Modalità erogazione	CFU/ECTS	Lessons (hours)	CFU/ECTS lab	Lab hours	CFU/ECTS tutorial/workshop	Tutorial/workshop hours	CFU/ECTS field trip	Field trip Hours
				2	24			

2Time management	Total hours	Teaching hours	Self-study hours
	24		26

Academic Calendar	First lesson	Final lesson
	30/09/2019	17/01/2020

Syllabus	
Course entry requirements	knowledge of genetics and molecular biology
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	
<i>Knowledge and understanding</i>	Students will acquire knowledge of the procedures and techniques used in a human genetics laboratory, as well as develop an understanding of the technical foundations of these activities.
<i>Applying knowledge and understanding</i>	Students will learn how to carry out the normal and pathological karyotype and how to use the necessary computer tools.
<i>Making informed judgements and choices</i>	Students will learn to understand their mistakes and work independently.
<i>Communicating knowledge and understanding</i>	During the laboratory, students will have to present and interpret the results obtained there.
<i>Capacities to continue learning</i>	Students will become familiar with necessary tools to access and use of genomic and molecular databases independently.

Syllabus	
Course content	Normal and pathological human karyotype, FISH and probes database selection
Course books/Bibliography	Journal articles and Power Point presentations.

Notes	
Teaching methods	Computer karyotype and database analysis, slide preparation and use of the microscope.
Assessment methods (indicate at least the type written, oral, other)	Active participation.
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are)	Students will be assessed on participation, ability to work independently and ability to interpret results obtained.
Further information	