Main course information	
Academic subject	Petrography Workshop
Degree course	Bachelor's degree
Degree class	L/32
ECTS credits (CFU)	2
Compulsory attendance	suggested
Teaching language	Italian
Accademic Year	2019/2020

Professor/Lecturer	
Name & SURNAME	Annamaria Fornelli
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Tel.	080-5442661
Tutorial time/day	Monday and Thursday 11-13, room 33 third floor of Earth Science palace Campus Bari

Course details	Pass-fail exam/Exam with mark out of 30	SSD code	Type of class
	Exam with mark out of 30	Geo07	Workshop

Teaching schedule	Year	Semester
	2° year	2°

Lesson type	CFU/ECTS	Lessons (hours)	CFU/ECTS lab	Lab hours	CFU/ECTS tutorial/workshop	Tutorial/workshop hours	CFU/ECTS field trip	Field trip Hours
	2	0	2	30	0	0	0	0

Time management	Total hours	Teaching hours	Self-study hours
	50	30	20

Academic Calendar	First lesson	Final lesson
	01 March 2020	15 june 2020

Syllabus	
Course entry requirements	Matematic, physic, chemistry, mineralogy
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)	
Knowledge and understanding	Observations of macroscopic samples of magmatic, sedimentary and metamorphic rocks (effusive, intrusive and pyroclastic). Ability to recognize the structural and mineralogical features of the rocks for a correct classification. The achievement of this goal is promoted during the exercises in the laboratory.
Applying knowledge and understanding	Ability to understand the environment in which different rock types are formed through the recognition of macroscopic rock samples. This ability is promoted through continuous talks during the laboratory activities.
Making informed judgements and choices	The students acquire the scientific method in the study of environment for its petrographic features. Development of scientific procedures and judgements during the lectures.
Communicating knowledge and understanding	Acquisition of the specific and technical language of Petrography. Ability to organize a scientific talk even with digital support.
Capacities to continue learning	Ability to understand English scientific works. The students develop the capacities to select the fundamental concepts of petrography and make connections with other geological disciplines. The capacities to continue learning is actuated during the laboratory activities.

Sylabus

Course content	The main objectives of the course are to provide the principles of magmatism, sedimentary process and metamorphism, and to provide the basis for the recognition and classification of igneous, sedimentary and metamorphic rocks using textural and mineralogical parameters at the macroscopic scale on hand samples. Observations of some minerals under optical microscopy.
Course books/Bibliography	Winter –An introduction igneous and metamorphic petrology. Prentice Hall Slides of teacher, lecture notes.
Notes	
Teaching methods	Description of hand samples and group work
Assessment methods (indicate at least the type written, oral, other)	Oral evaluation starting from the observation of macroscopic samples of rocks. The evaluation of this module is strongly integrated with that of the Petrography teaching.
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	Recognize hand samples of the main lithologies. Petrographic descriptions (rock descriptions) of metamorphic, sedimentary and igneous rocks through the hand specimen. The students should be able to apply their observations to interpret the formation of igneous, sedimentary and metamorphic rocks. The highest grade is achieved by showing reasoning skills and appropriate scientific language. The evaluation will be negative if the student shows that he learned the notions using wrong terms.
Further information	