

## ERASMUS BLENDED PROJECT

# “CLINICAL SKILLS TRAINING FOR PHARMACISTS IN GENERAL PRACTICE”

Department of Drug Sciences – UNIVERSITY OF PAVIA

The course is organized in collaboration with the prestigious Schools of Pharmacy of Paris Saclay (France) and Dublin Trinity College (Ireland) with online lessons from 30th May to 8th June, followed by an intensive week of teaching and practical activities in Pavia from 12th to 16th June with commitment for all days.

The planned activities together with the students of Paris and Dublin will include classroom lessons, practical tests, BLSD course, REVAPOCT course, population screening in a country beyond, OSCE evaluation system test, 5 CFU credits and open badge.

The programme provides for:

The project will focus on complementary activities and training that can be offered to students who aim to become community pharmacists in order to help them managing all their new missions to the patients. Clinical skills are becoming increasingly important for community pharmacists as they take on more patient-facing roles in primary care (advice to patients, vaccination, tests, followup of treatment, etc). Not all European universities teach in-depth practical clinical skills in their Pharmacy studies.”

The main aim of this project is to allow the students:

- 1) to carry out theoretical and practical activities in order to be able to understand the future role of a clinical pharmacist on the territory and in the hospital,
- 2) to acquire the performances that the new pharmacist of the post-Covid area must have in terms of knowledge and practice.
- 3) At the end of this training, the students are expected to have learned the fundamental notions related to clinical pharmacy, and above all, a methodology of approach to their citizen-patients in a holistic, correct, and efficient way. In conclusion, the importance of this proposed formation is related to the need to fill the gap between education and practice, between the theoretical preparation and the activities that must be done in a pharmacy setting. The objective is also to provide solutions to our future European pharmacists based

on specific experience existing in our three partner universities (Dublin, Paris, and Pavia).

4) Interculturality is also an important keyword that will be addressed during the training. Various teaching methods are planned to be developed for blended lectures.

5) Pharmacist-patients interrelation training: collaboration with patients, communication with patients about their prescribed treatment, patient relationships while identifying patients' desired health, and ethics in Pharmacy and Health Care.

6) Professionals interrelation training: the public and other healthcare professionals to improve patient outcomes/communication and information about available options in a way which promotes understanding/communication skills for the pharmacist/geriatric clinical Pharmacy/Identification and use of the appropriate diagnostic and physiological testing techniques in order to promote health and to inform clinical decision making.

6) Practical cases animation and expert comments will be recorded to create MOOCs (Massive Open Online Courses) on the following topics: practice of clinical Pharmacy/immunization training/physical assessment skills/vital parameters/review of laboratory and diagnostic tests/finger device use/resuscitation. Video library will be hosted and shared among the different University partners in order to spread those records as examples of good practice for the pharmacy students.

7) Role-playing game with students playing the pharmacists and students playing the patients will be used with the following items to be focused on: monitoring drug therapies/preventive Health and wellness/taking medication histories/therapeutics planning.

8) Session of interculturality: organization of workshops and games to talk about culture in each partner country, the students in a team could also make a video about interculturality as seen by a student in Pharmacy."

9) What the students are going to learn should be related to: practice of clinical Pharmacy, immunization training, physical assessment skills, vital parameters, review of laboratory and diagnostic tests, finger device use, resuscitation, monitoring drug therapies, preventive Health and wellness, taking medication histories, therapeutics planning, culture in each partner country, simulation of real pharmacist remote medical consultation like a medicine one will be planned in order to adapt the pharmacy student to its new role in the technologic and virtual world with the capacity to adapt to an acute or chronic crisis situation

like medical deserts problem, limited access to a foreign country, pandemic, war.

10) The advantage of this additional training should be the interculturality contact, discussion about new topics, obtaining a BLSD international certificate, make a practical experience in resuscitation rescue.

We can record our activities and make a video about interculturality as seen by a student in Pharmacy and organize a Video library with a specific support by our University (KIROLAB <https://idcd.unipv.it/spazi-kirolab-e-collaboration-e-webconference/>).

The project involves the participation of 8 students from each University who must be selected in an appropriate way between January and February. Pavia waives and identifies 16 students in order to create a ratio 1:1 foreign students:Italian students, also because in the project is planned a practical activity on the community, an OSCE test for the final evaluation through the passage of each student in 5 "stations" examiners on the last day.

We have planned activities of simulation, communication pharmacist-patient, and emergency maneuvers type BLSD that will be certified. Then each University will interact with its own specific skills by implementing the mutual training gaps.

This training activity recognized in the ERASMUS+ project has a value of 5 CFU credits that, as decided, will be attributed to all students participating in the project.

Only 16 Italian students will be admitted. A selection based on their CV will be performed.