
COURSE: Pharmacology and Toxicology

ACADEMIC YEAR: 2017-2018

TYPE OF EDUCATIONAL ACTIVITY: Characterizing

TEACHER: Dr. Vincenzo Brancaleone

e-mail: **vincenzo.brancaleone@unibas.it**

website:

phone: **0971 205082**mobile (optional):

Language: **Italian**

ECTS: 7 (lessons)**n. of hours: 56 (lessons)****Campus: Potenza**
Dept.: Science
Program: BIOTECNOLOGY IN
MEDICAL, VETERINARY AND
PHARMACEUTICAL
DIAGNOSTICS (LM-9)**Semester: II**
dal 05/03/2018 al 15-
30/06/2018

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course aims to provide specific knowledge and expertise about fundamental principles of general pharmacology and use of drugs in the treatment of organ pathologies and infectious diseases. The course will also aim to provide notions about strategies in the use of classical drugs and biologicals in addition to toxicological aspect in the pharmacological therapy..

PRE-REQUIREMENTS

Knowledge of fundaments about Physiology, Pathology and Biochemistry.

SYLLABUS**General pharmacology (5 hours)****Adrenergic system (15 hours)**

Adrenergic agonists and antagonists. Direct and indirect agonism and antagonism.

Cholinergic system (10 hours)

Cholinergic agonists and antagonists. Direct and indirect agonism and antagonism. Cholinesterases inhibitors

Pharmacotherapy (20 hours)

Cardiovascular drugs, antiinflammatory drugs, central nervous system (CNS) drugs

Principles of antibacterial therapy (6 hours)

General features of use of antibacterial drugs in infectious diseases. Major drugs used in therapy: beta-lactams, aminoglycosides, Quinolones, Macrolides and Sulphonamides

TEACHING METHODS

The class consists of 56 hours of lessons.

EVALUATION METHODS

Evaluation will be assessed through oral examination. However, students who will attend the course will have the chance to pass the exam undergoing two intermediate tests. These will consist of multiple choice questions on restricted part of the program, followed by oral examination for the rest of the subjects.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Goodman & Gilman,: *Le basi farmacologiche della terapia*, XI Ed. McGRAW, HILL

Katzung, *Farmacologia generale e clinica*, Ed. PICCIN

Paoletti, Nicosia, Clementi, Fumagalli, *Tossicologia generale e molecolare*, UTET

Lullmann, Mohr, Hein, Bieger, *Farmacologia per immagini*, Centro Scientifico Editore

Mannaioni, *Tossicologia medica*, UTET

Rang, Dale, Ritter, *Farmacologia*, Ed. AMBROSIANA

INTERACTION WITH STUDENTS

All info about the course and exam will be provided at the beginning of the course. Then, a list of attending students will be prepared. Professor will be officially available on Wednesday, from 2.00pm to 3.00pm at his room. However, student can contact professor anytime by email (**vincenzo.brancaleone@unibas.it**) or by phone (**0971 205082**).

EXAMINATION SESSIONS (FORECAST)¹

01/02/2018

21/02/2018

06/06/2018

20/06/2018

04/07/2018

18/07/2018

25/09/2018

14/11/2018

¹Subject to possible changes: check the web site of the Teacher or the Department/School for updates

SEMINARS BY EXTERNAL EXPERTS YES ☐ NO **X**

FURTHER INFORMATION
