



Course unit English denomination	Advanced Pharmacology
SS	BIOS-11/A
Teacher in charge (if defined)	<ul style="list-style-type: none">- Prof. Sara De Martin- Prof. Cecilia Giron- Prof. Nicola Ferri- Prof. Andrea Padoan- Prof. Stefano Comai
Teaching Hours	40
Number of ECTS credits allocated	5
Course period	2 nd year June-July
Course delivery method	<input type="checkbox"/> In presence <input checked="" type="checkbox"/> Remotely <input type="checkbox"/> Blended
Language of instruction	English
Mandatory attendance	<input checked="" type="checkbox"/> Yes (70% minimum of presence) <input type="checkbox"/> No
Course unit contents	<ul style="list-style-type: none">- Preclinical and clinical evaluations of pharmacokinetics and toxicity of drug candidates.- Methodology of clinical research: applicative aspects.- In vitro and in vivo experimental models for cardiovascular research.- Clinical biochemistry.- Translational research in neuropsychopharmacology.
Learning goals	Deep knowledge in pharmacological field in the various disciplines, allowing the PhD student to broaden the knowledge that would otherwise remain confined to the research project of his/her pertinence.
Teaching methods	<p>PhD students will be involved in critical group discussions on experimental and clinical studies with the aim of:</p> <ul style="list-style-type: none">• encourage interactivity between professors and doctoral students• use the critical incident• promote effective feedback• establish relationships between professionals in the sector• develop collaborative and supportive relationships between peers



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Course on transversal,
interdisciplinary,
transdisciplinary skills

☒ Yes

☐ No

Available for PhD students
from other courses

☒ Yes

☐ No

Prerequisites
(not mandatory)

Examination methods
(in applicable)

Tests to ensure the acquisition of advanced pharmacology knowledge

Suggested readings

Material provided by the teacher in Moodle platform in the reserved area
for PhD course in Pharmacological Sciences

Additional information



Course unit English denomination	How to review a paper
SS	MEDS-08/C
Teacher in charge (if defined)	Prof. Francesco Visioli
Teaching Hours	6
Number of ECTS credits allocated	1
Course period	3rd year in May
Course delivery method	<input type="checkbox"/> In presence <input checked="" type="checkbox"/> Remotely <input type="checkbox"/> Blended
Language of instruction	English
Mandatory attendance	<input checked="" type="checkbox"/> Yes (70% minimum of presence) <input type="checkbox"/> No
Course unit contents	Introduction to review a paper – Various stages of review – review the bibliographic sources – write a meaningful review
Learning goals	Autonomy in reviewing a scientific paper
Teaching methods	Frontal lessons PhD students will be involved with group work, workshops, case studies with the aim of: <ul style="list-style-type: none">• teach interactively• promote effective feedback• establish authentic relationships in the classroom• develop collaborative and supportive relationships between peers
Course on transversal, interdisciplinary, transdisciplinary skills	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Available for PhD students from other courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Prerequisites (not mandatory)	



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Examination methods
(in applicable)

Classroom review tests

Suggested readings

Material provided by the teacher by Moodle platform in the reserved
area for the PhD course in Pharmacological Sciences

Additional information



Course unit English denomination	How to write a paper
SS	MEDS-08/C
Teacher in charge (if defined)	Prof. Francesco Visioli
Teaching Hours	6
Number of ECTS credits allocated	1
Course period	1 st year in May
Course delivery method	<input type="checkbox"/> In presence <input checked="" type="checkbox"/> Remotely <input type="checkbox"/> Blended
Language of instruction	English
Mandatory attendance	<input checked="" type="checkbox"/> Yes (70% minimum of presence) <input type="checkbox"/> No
Course unit contents	Introduction to writing a paper – Various stages of writing – reporting the bibliographic sources – write effectively
Learning goals	Autonomy in writing a scientific paper
Teaching methods	Frontal lessons PhD students will be involved with group work, workshops, case studies with the aim of: <ul style="list-style-type: none">• teach interactively• promote effective feedback• establish authentic relationships in the classroom• develop collaborative and supportive relationships between peers
Course on transversal, interdisciplinary, transdisciplinary skills	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Available for PhD students from other courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Prerequisites (not mandatory)	
Examination methods (in applicable)	Classroom writing tests



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Suggested readings

Material provided by the teacher by Moodle platform in the reserved area for the PhD course in Pharmacological Sciences

Additional information



Course unit English denomination	Information Literacy in Pharmacological Sciences
SS	HIST-04/C
Teacher in charge (if defined)	Dr. Filippo Vomiero, Dr. Marina Zannoni, Dr. Michela Zorzi,
Teaching Hours	16
Number of ECTS credits allocated	2
Course period	1 st year in february
Course delivery method	<input checked="" type="checkbox"/> In presence <input type="checkbox"/> Remotely <input type="checkbox"/> Blended
Language of instruction	English
Mandatory attendance	<input checked="" type="checkbox"/> Yes (70 % minimum of presence) <input type="checkbox"/> No
Course unit contents	Citation databases and bibliographic databases Search by topic: building a search string and filters Publishing a scientific article: <ul style="list-style-type: none">• Choosing the journal (STEM market, indexes)• The peer review process• Author facilitations Institutional repositories: PRA-Iris and Research Data Unipd Copyright Zotero AdisInsight
Learning goals	Autonomy in bibliographic research using the main scientific databases Knowledge of the publication process in a scientific journal Principles of Open Science, practices and tools in use at the university
Teaching methods	Lectures; exercises, innovative teaching tools for classroom interaction, with the aim of: <ul style="list-style-type: none">• teaching interactively• using the critical incident technique• promoting effective feedback• establishing authentic relationships in the classroom• developing collaborative and supportive peer relationships



Course on transversal,
interdisciplinary,
transdisciplinary skills

☒ Yes
☐ No

Available for PhD students
from other courses

☒ Yes
☐ No

The course is open only to PhD students of the following courses:
Molecular Sciences, Material Science and Technology and
Pharmacological Sciences

Prerequisites
(not mandatory)

Examination methods
(if applicable)

Not applicable.

Suggested readings

Course Moodle, module slides

Additional information



Course unit English denomination	Statistics
SS	MEDS-24/A
Teacher in charge (if defined)	Prof. Dario Gregori
Teaching Hours	16
Number of ECTS credits allocated	2
Course period	1 st year – in september
Course delivery method	<input checked="" type="checkbox"/> In presence <input type="checkbox"/> Remotely <input type="checkbox"/> Blended
Language of instruction	English
Mandatory attendance	<input checked="" type="checkbox"/> Yes (70% minimum of presence) <input type="checkbox"/> No
Course unit contents	Rules for databases creation. Descriptive statistics such as mean, standard deviation, variance, median, and interquartile range. Proper and improper use of graphs in descriptive statistics. Notes on multivariate statistics and areas of use.
Learning goals	Ability to formulate correct study hypotheses and set up appropriate statistical tests, also applied to the laboratory. Statistical evaluation of simple experimental and clinical studies. Ability to perform simple statistical calculations and, in general, ability to interpret the results provided for statistical tests by statistical software.
Teaching methods	Frontal lessons
Course on transversal, interdisciplinary, transdisciplinary skills	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Available for PhD students from other courses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Prerequisites (not mandatory)	
Examination methods (in applicable)	Tests to verify the acquisition of knowledge in health statistics and biometrics



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Suggested readings	Material provided by the teacher via the Moodle platform in the area reserved for the doctoral course
Additional information	The course takes place in a pc room with practical exercises
