



UNIVERSITY OF L'AQUILA



Department of Health, Life and Environmental Sciences

1st Cycle Degree in APPLIED PSYCHOLOGICAL SCIENCES

Laurea in SCIENZE PSICOLOGICHE APPLICATE

Course Catalogue

Academic year starts the last week of September and ends the first week of June.

1st Semester - Starting date: last week of September, end date: 3rd week of January

2nd Semester - Starting date: last week of February, end date: 1st week of June

Exams Sessions: I) from last week of January to 3rd week of February, II) from 2nd week of June to end of July, III) from 1st to 3rd week of September.

Comprehensive Scheme of the 1st Cycle Degree in APPLIED PSYCHOLOGICAL SCIENCES				
YEAR	CODE	COURSE	Credits (ECTS)	Semester
I	P1P005	General Psychology	7	1
	P1P091	History and Method of Psychology	5	2
	P1P030	Applied Biology	5	1
	P0014	Biological Basis of Psychic Activity	5	2
	P1P001	<i>Foreign Language (English)</i>	6	1/2
	P1P002	Elementary in informatics	4	1
	P1P092	Statistics and Psychometric	8	1
	P1P004	Anatomical and Physiological bases of psychic activity	6	2
	P0094	Philosophy of Science	5	1
	P1P280	Sociology	5	2
	P1P107	<i>Others Activities</i> (seminar, congress, lectures etc)	4	1/2
II	P1P017	Psychological Testing	8	2
	P1P035	Physiological Psychology	6	1
	P1P043	Psychology of Personality and Individual Differences	6	2
	P1P016	Psychology of Cognitive Processes	6	2
	P1P041	Clinical Psychology	8	1
	P0097	Psychobiology of emotions	6	1
	P1P018	Dynamics Psychology	7	2
	P1P019	Developmental Psychology	5	1
	P0096	Educational Psychology	5	2
P1P010	Social Psychology	5	1	
III	P1P122	Psychoneuropharmacology	4	1
	P1P097	Psychoneuroimmunology	4	2
	P1P100	Work Psychology	6	1
	P2P043	Organizational Behaviour	4	2
	P1P255	Childhood Neuropsychiatry	4	1
	P0080	Psychiatry and Psychopathology	6	1
	P0098	Work Training	12	1/2
	P0050	<i>Free choice courses</i>	12	1/2
	Thesis	6	2	

<p align="center">Program of “PSICOLOGIA GENERALE” “GENERAL PSYCHOLOGY”</p>		
<p>P1P005, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 1st semester</p>		
<p align="center">Number of ECTS credits: 7 (workload is 140 hours; 1 credit = 25 hours)</p>		
<p>Teacher: LAURA PICCARDI</p>		
1	Course objectives	The course will provide an overview of the many areas of psychology. This course will introduce you to many of the underlying principles and approaches believed to guide human behaviour, including biological factors, learning, memory, social cognition, intelligence, emotion, language, perception and personality.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - Biological Factors; - Learning; Memory; - Intelligence; - Social Cognition; - Emotions; - Language; - Perception; - Moral development and Decision Making; - Personality. <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o acquire a general knowledge and understanding of the main issues of Psychology o understand and explain the topics above mentioned o have knowledge and understanding of the functioning of main cognitive processes o be able to apply general methods of Psychology and to frame them within the current psychological theory o be able to expose general psychological concepts for deepening the issues in the advanced courses o acquire capabilities to continue learning in advanced psychological dedicated course o understand the current theory in Psychology o demonstrate skill in general Psychology and ability to understand general texts on the issues studied during the course, o demonstrate capacity for reading and understanding other texts on related topics. o be able to analyse general psychological issues o be able to evaluate basic research in psychology
3	Prerequisites and learning activities	No prerequisites are required
4	Teaching methods and language	<p>Lectures. Language: Italian. Ref. Text books: - DL Schacter, DT Gilbert, DM Wegner (2010), <i>Psicologia Generale</i>. ZANICHELLI The students have to choose one of the following texts: - G Rolls (2010) <i>Casi classici della Psicologia</i>, Springer-Verlag - D’Urso V & Giusberti F (2000) <i>Esperimenti di Psicologia</i>, Zanichelli</p>
5	Assessment methods and criteria	Written exam

<p align="center">Programme of “STORIA E METODI DELLA PSICOLOGIA” “HISTORY AND METHODS OF PSYCHOLOGY”</p>		
<p>P1P091, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 2nd semester</p>		
<p align="center">Number of ECTS credits: 5 (workload is 125 hours; 1 credit = 25 hours)</p>		
<p>Teacher: Massimiliano PALMIERO</p>		
1	Course objectives	<p>The course is aimed at exploring the history of psychology by moving from philosophical contributions. In particular, the course offers an history of psychology based on the development and confrontation of different theoretical approaches, rather than on specific research fields.</p> <p>The Course is Integrated with the course of ‘General Psychology’ and is aimed at giving to</p>

		students the basic concepts of Psychology.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - The most important approaches to psychology, such as: Structuralism, Functionalism, Behaviorism, Gestalt Psychology, Psychoanalysis, Reflexology and Soviet Psychology, Jean Piaget and Geneva School, Cognitivism, and Cognitive Science. - Emphasis is given to the historical and cultural contexts within each approach developed, as well as to interdisciplinary contributions to psychology. <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> o have profound knowledge of the approaches of Psychology, as well as of the methods developed across the years in order to study all aspects of mind; o have knowledge and understanding of interdisciplinary contributions to psychology (including the philosophical ones), as well as of the difference and similarities among approaches and methods of psychology developed across years.
3	Prerequisites and learning activities	This module is not connected with previous learning and does not foresees work placement
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> - Paolo Legrenzi (a cura di), <i>Storia della psicologia</i>, Il Mulino, Bologna 1999. - Paolo Legrenzi (a cura di), <i>Prima lezione di Scienza cognitiva</i>, Laterza, Bari, 2010.
5	Assessment methods and criteria	Written exam; oral exam, optional, only for students that have passed the written exam.

Programme of "BIOLOGIA APPLICATA" "APPLIED BIOLOGY"		
P1P030, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 1st semester		
Number of ECTS credits: 5 (workload is 125hours; 1 credit = 25 hours)		
Teacher: Stefano FALONE		
1	Course objectives	The Course will provide the basic elements to understand how eukariotic cell works, including details of biochemical reaction progression within cells. Elements of genetic information flow and cellular key functions will be provided (duplication, communication, biosynthetic and catabolic activities, bioenergetics, internalization and release of small and large particles, ion and molecule movement across the biomembranes, protein expression and modification, cell-cell signaling and internal transduction pathways).
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - Atom's structure. Bioelements, water, carbon and functional groups. - Biomolecules: carbohydrates, lipids, proteins and nucleic acids. Chemical reactions and enzymes. The cell. Prokaryotic and Eukaryotic cells. Mono- and pluricellular organisms. Compartmentation within the cell and mechanisms of cell division. Plasma membrane (structure and functions). Transports across the membranes. Ion channels. Endo- and exocytose. - Mitochondria: structure and functions. Endoplasmic reticulum. Golgi apparatus. Cytoskeleton. Nucleus and chromatin. Flow of genetic information. Gene expression regulation in eukaryotes. Cell cycle. Cell division: mitosis and meiosis. Cell communications. Receptors. Signal transduction. <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of the crucial and essential eukaryotic cellular activities o have knowledge and understanding of atom's structure, bioelements composition, enzymatic catalysis, functional reasons underlying the internal compartmentation of eukaryotic cells. o understand and explain plasma membrane (structure and functions), mitochondria, endoplasmic reticulum, Golgi apparatus, cytoskeleton, nucleus and chromatin; the flow of genetic information, along with basic gene expression regulation; mitotic and meiotic cell divisions; transports across the membranes (ion and molecule flow, endo- and exocytose). o understand the cell cycle, general and specific details of cell-cell communications, together with signal transduction and signaling intracellular cascades. o demonstrate skill in understanding basic bioactivities of eukaryotic cells and ability to forecast essential phenomena occurring within eukaryotic cells. o demonstrate capacity for reading and understand other texts on related topics. o be able to apply the acquired notions to practical examples

		<ul style="list-style-type: none"> ○ be able to analyse how cells interact with other cells and the environment ○ be able to evaluate the mechanisms underlying the basic bioactivities of eukaryotic cells
3	Prerequisites and learning activities	The students must not know previous notions about and applied biology
4	Teaching methods and language	Lectures. Language: Italian. Ref. Text books: -E.P. Solomon, L.R. Berg, D.W. Martin " <i>ELEMENTI DI BIOLOGIA</i> " (V of VI ed.), EdiSES - Resources and materials uploaded on the e-learning platform.
5	Assessment methods and criteria	Written exam

Programme of "BASI BIOLOGICHE DELL'ATTIVITA' PSICHICA"
"THE BIOLOGICAL BASIS OF PSYCHIC ACTIVITY"

P0014, compulsory		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 2nd semester		
Number of ECTS credits: 5 (workload: 125, 1 credit=25 hours)		
Teacher: Fernanda AMICARELLI		
1	Course objectives	The course will provide the basic knowledge to understand the biological mechanisms underlying neural cell functions and mental processes
2	Course content and Learning outcomes	<p>Topics of the Module are: The structure and function of neurons. Glial cells: types and function. Ion channels. Voltage-gated ion channels. Ligand-gated ion channels. Molecular basis of resting potential and action potential. Synaptic transmission. Electric Synapses: structure and function. Chemical synapses: structure and function. Gap junctions. Synaptic vesicles and neurotransmission. Post-synaptic potential. Chemical nature of neurotransmitters. Excitatory and inhibitory neurotransmitters. Ionotropic and metabotropic receptors: ultrastructure and function. Synaptic transmission and second messengers. Synaptic transmission-related signal transduction pathways. Synaptic plasticity.</p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> ○ have profound knowledge of neurobiology ○ have knowledge and understanding of the principal biological mechanisms underlying neural cell functions ○ understand and explain the acquired knowledge ○ demonstrate capacity for reading and understand other texts on related topics. ○ be able to apply the acquire notions to practical examples ○ be able to evaluate the mechanisms underlying the function of nervous system
3	Prerequisites and learning activities	The student must have the knowledge of the structure and function of eukaryotic cells
4	Teaching methods and language	Lectures. Language: Italian. Ref. Text books: -F. Mangia, a. Bevilacqua " <i>Basi Biologiche dell'Attività Psichica</i> " editor: piccin
5	Assessment methods and criteria	Written exam

Programme of "ELEMENTI DI INFORMATICA"
"COMPUTER SCIENCE ELEMENTS"

P1P002, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 1ST semester		
Number of ECTS credits: 4 (workload: 100, 1 credit=25 hours)		
Teacher: CARLO INNAMORATI		
1	Course objectives	The course will introduce the student into the computer science world and its applications; Objectives of the course can be then summarised as follow: <ul style="list-style-type: none"> - computer usage and comprehension of its internal functional mechanism; - increasing of ability with PC; - providing the knowledge and operational expertise for the creation of electronic documents.
2	Course content and Learning outcomes	<p>Topics of the module are:</p> <ul style="list-style-type: none"> - The representation of information. The numbering systems. The coding systems. Multimedia information. Images. The audio signals. - Hardware. Software.

		<ul style="list-style-type: none"> - Text editor. Formatting. Bullets and Numbering lists. Tables. Hyperlinks. Objects. Indexes and abstracts. Statistics. Setting and importing/exporting the style. - Spreadsheet. Cells. Tables. Formulas. Graphs. The relative and absolute references. <p>Students who will pass the exam will acquire:</p> <ul style="list-style-type: none"> o Proficiency in using computer; o Proficiency in using a word processor to produce documents such as research articles, thesis, CV; o Proficiency in using spreadsheets for the production of statistical analysis in psychological area.
3	Prerequisites and learning activities	The student must know basics of mathematical analysis
4	Teaching methods and language	Lectures and practices. Language: Italian Ref. Text books: Educational materials on the website of the University e-learning
5	Assessment methods and criteria	Computer test.

Programme of “ STATISTICA E PSICOMETRIA” “STATISTICS AND PSYCHOMETRIC”		
P1P092, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 1st semester		
Number of ECTS credits: 8 (workload is 200 hours; 1 credit = 25 hours)		
Teacher: Vincenza COFINI		
1	Course objectives	This course aims at teaching students the basic theoretical elements of inferential statistics and to acquire the methodological skills for psychometric measures and the statistical analysis of data
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - Concept of measurement in psychology - Principles of Psychometrics : Reliability and validity of measures - The concept of validity in psychology - The classification of variables and the scales of measurement: - The tools of descriptive statistics (proportions , means, standard deviations , quantiles) - Standardization of measures - Analysis of contingency tables - The relationships between variables: correlation (r Bravais -Pearson , Spearman ..) - The simple regression - Random variables and probability distributions (Normal , Binomial , F , Chi2 , t) and use of the related tables. - Concepts of inferential statistics : estimation, confidence intervals, hypothesis testing - The parametric and non-parametric statistical tests for mean and frequencies (z -test, Student t for independent samples and for paired data , Wilcoxon test , Mann Whitney U test , chi-square test) - Inference on the correlation coefficients - Analysis of variance (one-way) - Anova (two-way). <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have a thorough knowledge of basic descriptive and inferential statistics o know and understand the results of a statistic test o understand and explain the simple linear regression model for the study of the relationship between two variables o be able to apply knowledge and understanding of statistical inference for mean and proportions with applications to data collected by measuring psychometric o be able to make informed choices and skills about statistical analysis o be able to communicate knowledge and understanding of the results of scientific articles o understand the results of an anova model o demonstrate ability to apply the tools presented in the course and the ability to interpret the results of statistical analysis o demonstrate ability to read and understand than other texts on related topics.
3	Prerequisites and learning activities	No prerequisites are needed

4	Teaching methods and language	Lectures, team work, exercises Language: Italian. Ref. Text books: 1. Ercolani A.P. Areni A. Leone L. <i>Statistica per la psicologia</i> Vol.I. Fondamenti di psicometria e statistica descrittiva. Il Mulino, 2001. 2. . Ercolani A.P. Areni A. Leone L. <i>Statistica per la psicologia</i> Vol.II. Statistica inferenziale e analisi dei dati. Il Mulino, 2002. Or 3. Ercolani A.P. Areni A. Leone L. <i>Elementi di statistica per la psicologia</i> .A Il Mulino 2008
5	Assessment methods and criteria	The exam includes a written test, with quiz: 5 questions by 3 points, 2 points from 5 questions, 5 questions 1 point. The oral exam is optional, may be made if the written test was passed with 18/30.

Programme of “FONDAMENTI ANATOMO FISILOGICI DELL’ATTIVITA’ PSICHICA” “ANATOMICAL AND PHYSIOLOGICAL BASES OF PSYCHIC ACTIVITY”		
P1P004, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 2nd semester		
Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)		
Teacher: ASSUNTA POMPILI		
1	Course objectives	The principal goals of this course are: - to provide an overview of the many areas of neuroscience; - to explain cognitive processes and behavior in terms of their underlying brain mechanisms: knowledge about the fundamental mechanisms of the nervous system can lead to a deeper understanding of complex mental functions such as memory, language, perception, and to a better understanding of psychological disorders.
2	Course content and Learning outcomes	Topics of the module include: - <u>Nerve cell and nerve impulse</u> : The cell of the Nervous System; the resting and action potential of the neuron; the synapse and its chemical events. - <u>The anatomy of the nervous system</u> : the structure of the vertebrate nervous system, and the organization of the cerebral cortex. - <u>The substance abuse</u> : synapses, reinforcement, and drug use; Common drug and their synaptic effect. - <u>Vision</u> : the general principles of perception; the eye and its connections to the brain; the visual retina receptors; the color vision. - <u>Learning and memory</u> : types of learning; types of memory; the hippocampus and amnesia; brain damage and amnesia, Korsakoff's syndrome and Alzheimer's disease. - <u>Lateralization and language</u> : Anatomical differences between the hemispheres; evolution and physiology of language; brain damage and language. - <u>Psychological disorders</u> : mood disorders; schizophrenia. On successful completion of this module, the student should: o have profound knowledge of cellular neurobiology, and of the nervous system structure o have knowledge and understanding of the neurobiological principles underlying various human behaviors; o understand and explain neurobiological phenomena using an appropriate scientific language; o demonstrate skills to integrate the knowledge about different topics (from cellular to cognitive neuroscience) in order to explain a neurobiological phenomena; o be able to apply the acquired knowledge to discuss scientific text on physiological and pathological conditions.
3	Prerequisites and learning activities	The student must know the basic knowledge provided by the Modules of the first semester
4	Teaching methods and language	Lectures. Language: Italian. Ref. Text books: -Neil R. Carlson, <i>Fisiologia del comportamento</i> , Piccin-Nuova Libreria, 2008
5	Assessment methods and criteria	Written exam, and optional oral examination

Programme of “FILOSOFIA DELLA SCIENZA” “PHILOSOFY OF SCIENCE”		
P0094, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 1st semester		

Number of ECTS credits: 5 (workload: 125, 1 credit=25 hours)		
Teacher: Luigi CATALDI MADONNA		
1	Course objectives	The Review of the main Ideas of the Science in the 20 th century
2	Course content and Learning outcomes	<p>Topics of the module include: The Knowledge of main Ideas of Science</p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o understand and explain what Science is. o demonstrate skill in Discussion o demonstrate capacity for reading and understand other texts on related topics.
3	Prerequisites and learning activities	The student must have a good knowledge of History of Philosophy.
4	Teaching methods and language	<p>Lectures. Language: ITALIAN. Ref. Text books: -B. Russell, <i>The Scientific Outlook</i> 1931 -B. Russell, <i>Mysticism and Logic</i> 1918</p>
5	Assessment methods and criteria	Written exam

Programme of "SOCIOLOGIA" "SOCIOLOGY"		
P1P280, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 1st year, 2nd semester		
Number of ECTS credits: 5 (workload: 125, 1 credit=25 hours)		
Teacher: Maria Teresa GAMMONE		
1	Course objectives	<p>Applying knowledge and understanding: sociological theory and practice. Capacities to continue learning: socialization, rules, communication.</p>
2	Course content and Learning outcomes	<p>Course Content :</p> <p>1) General information: The social system. Culture and society. Gender and sexuality. Families. Deviance and crime. Stratification. Classes. Inequality. The sociological theory. Risk and safety in clinical medicine. Modern organizations. Employment. Economic activities. Political power. Mass media and communication. Religion. Education.</p> <p>2) Specific information: Europe and sociological theories: Habermas, Giddens, Beck. The European Dream. European citizenship. Empirical research. The European social model. European identity. Patriotism.</p> <p>Learning outcomes:</p> <ul style="list-style-type: none"> o Acquiring knowledge and understanding: sociological theory in public and private organizations. ? o Making informed judgments and choices in public and private organizations. ? o Communicating sociological knowledge and understanding in public and private organizations. ?
3	Prerequisites and learning activities	The module is connected with previous learning and foresees work placement in public and private organizations.
4	Teaching methods and language	<p>Lectures, team work, exercises, home work, report. Language: Italian. Ref. Text books: -A. Giddens, <i>Fondamenti di sociologia</i>, il Mulino, Bologna 2006. -F. Sidoti, M. Gammone, <i>Che cosa significa essere europeo?</i>, FrancoAngeli, Milano 2013.</p>
5	Assessment methods and criteria	Written exam. Short reports. Exercises.

Programme of "TEORIA E TECNICA DEI TEST" "PSYCHOLOGICAL TESTING"		
P1P017, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 2nd semester		
Number of ECTS credits: 8 (workload is 200 hours; 1 credit = 25 hours)		
Teacher: Monica MAZZA		
1	Course objectives	The goal of this course is to analyze the theoretical and methodological assumptions that underpin the construction and validation of tests as instruments of knowledge and measurement in psychology. This course, also, has the objective to provide to future

		psychologists the necessary information for a correct use and application of psychological tests in the diagnostic find.
2	Course content and Learning outcomes	<p>Topics of this Module include:</p> <ul style="list-style-type: none"> - Definition of measurement in the social sciences - Introduction to statistical analysis - The benefit of using psychometric tests in recruitment/selection, development and coaching Reliability in psychometric testing Validity in psychometric testing Error in psychometric testing - Independent and dependent variables - The null hypothesis - Experimental and control conditions - factor analysis (multidimensional scaling, structural equation modeling[and path analysis]) - Different subjects (unrelated designs) Same subjects (related designs) - Statistical probabilities <p>The student will be made aware of what to look for in psychometric tests on the market and what questions to ask distributors and publishers, they will have exposure to a range of test and have an understanding of how psychometric test are developed and used.</p> <p>On successful completion of this Module the students</p> <ul style="list-style-type: none"> o Have an understanding about the need for good practice in the use of psychometric tests o Understand the concept of reliability in psychometric tests o Understand the concept of validity in psychometric tests o Understand about error in the psychometric testing process o be able to consider important issues in choosing the right test, publisher or distributor o be able to read a range of psychometric tests and understand how they are used o Understand why competent training is essential if psychometric tests are to be used properly o be able to discuss their own specific issues/questions with an expert organizational psychology
3	Prerequisites and learning activities	The student must know the basic notions of psychometric
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> -Mucciarelli, Chattat, Celani, <i>Teoria e pratica dei test</i>. Piccin, 2002. -Picone, Ribaudo, Pezzuti, <i>"I test nella pratica clinica. Uso e interpretazione"</i> Carocci, Faber. -Roccatò Michele, <i>L'inchiesta e il sondaggio nella ricerca psicosociale</i>. Il Mulino Bologna, 2006. -Pedrabissi L., Santinello M. (1997).<i>"I test psicologici. Teorie e tecniche"</i>. Il Mulino, Bologna.
5	Assessment methods and criteria	Written and oral exam

Programme of " PSICOLOGIA FISIOLOGICA" "PHYSIOLOGICAL PSYCHOLOGY"		
P1P035, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 1st semester		
Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)		
Teacher: Michele FERRARA		
1	Course objectives	To give students a basic training in psychobiology. The main learning outcome will be the comprehension of the relationships between brain structure and functioning, cognitive processes and behavior. The main experimental methods and approaches will be also addressed.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - Research methods and techniques (lesions, registration of brain activity, stimulation of neural activity, neurochemical methods, genetic approaches, EEG, PET, fMRI, ERP); - Acoustic perception; tactile perception; psychophysiology of pain; taste and olfaction; sleep and wakefulness: neurophysiological mechanisms; sleep structure and functions; biological rhythms; selective and spatial attention; - Attentional deficit: neglect; schizofrenia and mood disorders; psychophysiology of stress.

		<p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of the relations between brain activity and behavior/cognition o have knowledge and understanding of the methodological approach to the study of those relationships o understand and explain the functioning of the main sensory systems, of the wake-sleep rhythm and of the stress psychophysiology o understand the application of the scientific method to the study of the mind-brain relations o demonstrate capacity for reading and understand other texts on related topics.
3	Prerequisites and learning activities	The student must know the main topics of General Psychology and the fundamentals of neurophysiology and neuroanatomy.
4	Teaching methods and language	<p>Lectures. Language: Italian. Ref. Text books - Carlson N.R., <i>Fisiologia del Comportamento</i>, Piccin - 2008 Edition (only the specific chapters on the topics of the programme). As far as the attention (spatial and selective, neglect) is concerned: - Umiltà, <i>Manuale di neuroscienze</i>, il Mulino, chap. 5 par. 9 (pp. 564-581).</p>
5	Assessment methods and criteria	Written exam (multiple choice).

Programme of “PSICOLOGIA DELLA PERSONALITA’ E DELLE DIFFERENZE INDIVIDUALI” “PSYCHOLOGY OF PERSONALITY AND INDIVIDUAL DIFFERENCES”		
P1P043, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 2nd semester		
Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)		
Teacher: Daniela TEMPESTA		
1	Course objectives	<p>The main goal of the course is the acquisition of rigorous knowledge about the processes of organization, construction and functioning of personality through the systematic analysis of the research prospective. Particularly, the attention will be paid to the differences between the different theories of personality and the relative application areas.</p>
2	Course content and Learning outcomes	<p>Topics of the course include:</p> <ul style="list-style-type: none"> - The origins of the Personality Psychology and the methods of research; - Psychodynamic theories; - The phenomenological and humanistic approach of psychology; - Psychology of the types, traits and dispositions; - The relationship between genetics, environment and personality; - The development of the theories in the field of Behaviorism, Environmentalism, Cognitivism and Constructivism; - Interactionism and personality construction. <p>Finally, the biological bases of personality are also explored, by considering different temperament dimensions.</p> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> o have profound knowledge of the different theories of the personality and ability to discriminate the particular theoretical, methodological and applicative options, o have knowledge and understanding about the organization of personality in the field of the dynamic, phenomenological, behavioral and cognitive-constructivist psychology, as well as of the theories aimed at explaining the temperament, o demonstrate understanding of the application of personality and individual differences to areas of health, criminal behaviour, occupational psychology and abnormal psychology, o be able to reason scientifically and demonstrate the relationship between theory and evidence, o be able to adopt multiple perspectives and pose appropriate research questions, o be able to provide written argument which shows critical appraisal and good understanding of the main issues central to the topics, o develop a broader knowledge base of the subjects studies via independent and appropriate reading, o be able to provide evidence and support to argue the merits of the various approaches to personality in psychology, o be able to appropriately interpret findings from studies of personality within health, occupational, criminological and abnormal psychology in relation to hypothesis testing, methods, and analysis,

		<ul style="list-style-type: none"> o be able to communicate ideas and research findings both effectively and fluently, o be able to solve problems by clarifying questions, considering alternative solutions and evaluating outcomes, o be able to undertake self-directed study and project management in order to meet desired objectives, o be able to produce well-organised and structured written work in concise and time-restricted manner.
3	Prerequisites and learning activities	This module is not connected with previous learning and does not foresees work placement.
4	Teaching methods and language	Lectures. Language: Italian. Ref. Text books: - Gennaro A., <i>Introduzione alla Psicologia della Personalità</i> . Il Mulino (Second Edition), 2014. - Gennaro A., Scagliarini R., <i>Temperamento e personalità</i> . Piccin, 2007.
5	Assessment methods and criteria	Written exam (multiple choice).

Programme of “PSICOLOGIA DEI PROCESSI COGNITIVI” “PSYCHOLOGY OF COGNITIVE PROCESSES”		
P1P016 COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2ND year, 1st semester		
Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)		
Teacher: Giuseppe CURCIO		
1	Course objectives	<p>Lessons will focus the main classical issues of Cognitive Psychology and their recent developments. Beginning with core topics (perception and attention; categorisation and language; and memory, thinking and reasoning) the student will explore wider issues, such as emotion and consciousness, topics that have presented a challenge to the cognitive approach. Thus, the course will deal with theoretical approaches and research findings relevant to the complex processes of thinking, linguistic expression, problem solving and decision making, with particular attention to the relation of these processes to intelligence and creativity. Basic LO are related to the knowledge of the above mentioned cognitive processes.</p> <p>This Module is fundamental for the Programme goals because provides the basic knowledge of the cognitive and mental functioning.</p>
2	Course content and Learning outcomes	<p>Topics of the module include: memory, learning, decision-making, attention, judgment, language, thinking and reasoning.</p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of memory, attention and decision-making (under both cognitive and physiological point of view) o have knowledge and understanding of other topics ? o understand and explain the psychological models of the above mentioned cognitive processes o understand the methods used in the research on the above mentioned processes o demonstrate skill in comparing different theories of cognitive processing and ability to propose and develop an experimental protocol o demonstrate capacity for reading and understanding other texts on related topics.
3	Prerequisites and learning activities	The student must know issues of some courses as General Psychology and Physiological Bases of Brain Functioning.
4	Teaching methods and language	<p>Students follow lessons on all the above mentioned issues, are encouraged to improve their knowledge looking for scientific material (papers, books, etc), and are suggested to study the arguments following the current lessons ?, in order to be ready for midterm assessments.</p> <p>Language: Italian. Ref. Text books: - Nicoletti, Rumiati, <i>I processi cognitivi</i>, Il Mulino -Bonini, Del Missier, Rumiati, <i>Psicologia del giudizio e della decisione</i>, Il Mulino All lessons will be available on E-learning section of the University website (http://didattica.univaq.it/moodle/) as pdf files.</p>
5	Assessment methods and criteria	<p>The assessment is based on a written multiple-choice test that deals with all the arguments discussed at lesson and on suggested books. Questions are 20 and to pass the exam students must correctly answer to at least 12 of them.</p> <p>Such written test can be integrated with an oral, if requested by the student. The oral test will examine in depth the whole exam program.</p>

<p align="center">Program of “PSICOLOGIA CLINICA” “CLINICAL PSYCHOLOGY”</p>		
P1P041, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 2nd semester		
Number of ECTS credits:8 (workload is 200 hours; 1 credit = 25 hours)		
Teacher: Angelo Maria SALIANI		
1	Course objectives	This course provides the student with basic principles of Clinical Psychology and psychopathology. Emphasis is placed on diagnosis and case formulation.
2	Course content and Learning outcomes	<p>Course contents: This course provides an examination of the various psychological disorders. Criteria in order to distinguish between normal and abnormal behaviour will be illustrated, as well as definitions and history of abnormal behaviour, theories of causes of mental disorders, bio-psycho-social approach, diathesis-stress model.</p> <p>Upon completion, students should</p> <ul style="list-style-type: none"> o know the main features of the major psychotherapeutic approaches: psychoanalysis, behaviourism and cognitivism; o be able to demonstrate knowledge of aetiology, symptoms, and therapeutic techniques; o be able to identify the major categories of psychological disorders as described in DSM V, and to appreciate the differences between the latest version of DSM (DSM-V) and DSM-IV TR; o know the diagnostic criteria, symptoms, course, incidence, prevalence, aetiology, prognosis, and correlates of major mental disorders; o be able to appreciate the importance of high standards of conduct and ethical behaviour in professional practice and the importance of the therapeutic relationship; o be able to apply appropriate assessment procedures, to develop appropriate case formulations, and to choose appropriate treatments; o demonstrate skills in clinical case formulation: genesis and mechanisms of maintenance of the disorder, patient's history (vulnerability), exploration of the problems presented by the patient; o know how to establish and maintain an effective working relationship with patients; o be able to use the ABC model (Ellis) as an assessment method.
3	Prerequisites and learning activities	None
4	Teaching methods and language	Lectures. Language: Italian. Ref. Text books: -Kring A.M., Davison G.C., Neale J.M., Johnson S.L. (2013), <i>Psicologia Clinica</i> . Ed. Zanichelli -Perdighe C., Mancini F. (2010), <i>Elementi di Psicoterapia Cognitiva</i> . Ed. Fioriti
5	Assessment methods and criteria	Written exam

<p align="center">Programme of “PSICOBIOLOGIA DELLE EMOZIONI” “PSYCHOBIOLOGY OF EMOTIONS”</p>		
P0097, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 1st semester		
Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)		
Teacher: Debora CUTULI		
1	Course objectives	The course is aimed at explaining how the topic of emotions has been developed by different research approaches. Attention is paid in describing the relationships between regulation of emotions, stress and health. Topics covered in the course provide an excellent compendium of the field and the tools for deepening the study of physiological psychology and affective neuroscience.
2	Course content and Learning outcomes	<p>Topics of the module include: Definition and general characteristics of emotions. Emotion and motivation. Main theories of emotions. Methods and survey indices of emotions in experimental psychology. Expression of emotions. The development of emotion. Neurophysiological aspects of emotion. Emotional disorders. The relationship between emotions, stress and health. Regulation of emotions in the life cycle.</p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of emotion theories and emotional regulation during lifespan;

		<ul style="list-style-type: none"> o have knowledge and understanding of behavioral and affective neuroscience; o understand and explain physiology of emotions, theories and experimental techniques to study emotions, o understand emotional definitions and theories, emotional regulation functioning and different experimental approaches in affective neuroscience; o demonstrate skill in understanding theories of emotions and experimental studies and ability to discriminate among different research settings and recognize affective dysregulations and disorders; o demonstrate capacity for reading and understanding other texts on related topics.
3	Prerequisites and learning activities	The student must know central nervous system structure and function, preliminary notions of developmental and general psychology.
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books .</p> <ul style="list-style-type: none"> - Matarazzo, Zammuner , <i>La regolazione delle emozioni</i>. Il Mulino. - Plutchik, <i>Psicologia e biologia delle emozioni</i>. Bollati Boringhieri. - Carlson, <i>Fisiologia del comportamento</i> (Cap. 10: comportamento riproduttivo; 11: emozione; 13: apprendimento e memoria; 16: schizofrenia e disturbi affettivi; 17: disturbi d'ansia, disturbo autistico e disturbi da stress; 18: abuso di sostanze). Piccin (2008)
5	Assessment methods and criteria	Written exam

Programme of “PSICOLOGIA DINAMICA” “DYNAMIC PSYCHOLOGY”		
P1P018, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 1st semester		
Number of ECTS credits: 7 (workload is 175 hours; 1 credit = 25 hours)		
Teacher: Enrico PERILLI		
1	Course objectives	<p>This module examines the development of psychology in the 19th and 20th centuries, including the earlier philosophical roots to the discipline. The aim is to review the progression of psychological thought and investigation.</p> <p>All major theories, methods, and substantive issues are reviewed, from Sigmund Freud and Carl Jung, to the present development of the discipline. Pertinent questions are addressed as for instance: how one discipline within psychology differs from its peers and predecessors; whether different methods in psychology can be considered scientifically valid; what really counts as progress in theory, explanation and application in psychological research; what has been psychology's greatest findings and biggest mistakes; whether psychology would ever develop a cohesive, widely accepted explanatory theory; how relevant are historical perspectives on psychology today. In general, the course aims to provide students with the knowledge of the main dynamic aspects of individual behavior and group of the most important psychological phenomena associated with it, providing, at the same time, appropriate keys and to manage them.</p>
2	Course content and Learning outcomes	<p>Topics of the Module are:</p> <ul style="list-style-type: none"> - <u>The Birth of Dynamic Psychology</u> : Freud and antecedents (the most important theoretical models related to Freudian psychoanalytic thought, the discovery and care for the human unconscious, the psychic apparatus and its functioning, the first and second topology, the theory of instincts; innovations of this theory point of contact and division with Jungian thought), - <u>The growth of Dynamic Psychology</u>: Neo-Freudians (the post-Freudian thought, in particular the theoretical and practical devices that have arisen in contrast and / or opposition to the latter), - <u>Analytical psychology and its subsequent developments</u> (the psychic apparatus and its functioning, personal and collective unconscious, the theory of the self, the process of Identification, complexes and archetypes, post-Jungian authors), - <u>Behaviourism and Humanistic Psychology</u>, the theoretical and practical application of main concepts for a thorough reading of the current society and its many contradictions, especially in key archetypal. <p>At the end of the course, the students should</p> <ul style="list-style-type: none"> o demonstrate significant knowledge of all these models and their contents, and ability to place them in relation to each other and to explain the differences and the congruencies, o be able to synthesize the different systems in the history of psychology and understand how one discipline within psychology differs from its peers and predecessors, o be able to analyse the studied approaches and critically evaluate their interrelations,

		<ul style="list-style-type: none"> o be able to understand and explain the strengths and limitations of different levels of analysis in psychology, o be able to critically analyse psychological knowledge within a wider socio-historical and intellectual context, o demonstrate an understanding of the fundamentals of the analytic psychology and its double role in psychic functioning detection and applicability in a clinical setting, o understand how and why a number of key historical figures make seminal contributions to community and public policy, o critically use psychological knowledge to understand a range of methodologies and recognise why certain historical approaches were abandoned while others were improved and refined.
3	Prerequisites and learning activities	Students should know at least the basics of general psychology
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> - A. Carotenuto, "<i>Trattato di Psicologia della Personalità</i>", Raffaello Cortina Editore, Milano 1991; - E. Perilli (a cura di), "<i>Ombre ipermoderne</i>", Edizioni scientifiche Ma.Gi., Roma 2012; - W. Roth, "<i>Incontrare Jung – Introduzione alla psicologia analitica</i>", Edizioni Scientifiche Ma.Gi., Roma 2005
	Assessment methods and criteria	Oral Examination

Programme of "PSICOLOGIA DELLO SVILUPPO" "DEVELOPMENTAL PSHYCHOLOGY"		
P1P019, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 1st semester		
Number of ECTS credits: 5 (workload: 125, 1 credit =25 hours)		
Teacher: Simonetta D'AMICO		
1	Course objectives	The course provides a systematic framework of basic knowledge concerning the psychological development of the individual in the life span cycle. Students will develop an understanding of developmental theories and research methods used to investigate developmental change, the theoretical bases for our understanding of how human beings change, and the contextual and cultural factors that impact the growth and development of children.
2	Course content and Learning outcomes	<p>Topics of the Module are:</p> <ul style="list-style-type: none"> - Fundamental questions and explanatory theories of development: nature vs. nurture; the stages of development; continuity vs. discontinuity. - Processes of development in the different domains of mind: the development of cognitive, language, social and emotional. - Different methodologies applied in developmental studies. <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of the developmental theories o understand and explain the developmental stages of different domains o understand and apply the scientific method of investigation o demonstrate capacity for reading and understanding other texts on related topics.
3	Prerequisites and learning activities	General Psychology and Biology
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books</p> <ul style="list-style-type: none"> -Santrock J.W., "<i>Psicologia dello sviluppo</i>", McGraw-Hill, 2013 -Rolls G. , "<i>Casi classici della psicologia</i>", Springer 2011, 7-8-9-10
5	Assessment methods and criteria	Written examination, consisting in both thematic questions and multiple choice questions on the program course.

Programme of "PSICOLOGIA DELL'EDUCAZIONE" "EDUCATIONAL PSHYCHOLOGY"		
P1P019, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 2nd semester		

Number of ECTS credits: 5 (workload: 125, 1 credit=25 hours)		
Teacher: Assunta MARANO		
1	Course objectives	This module focuses on the application of the principles of psychology to the teaching and learning processes and examines major theories of human development and learning, motivation, instructional strategies, assessment; similarities and differences in learners.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - Theories of human development and learning; - The role of cognitive and emotional factors in the students' learning; - Theories of motivations; - Psychological models and methods of educational assessment. - Children with learning and behavioral difficulties: causes and interventions; - The main factors influencing learning: aggression and bullying in school contexts, educational disadvantage and resilience, learning across the lifespan; - Implications for educational policy and programming for schools; - The role of the educational psychologist and evidence based practice. <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> o have profound knowledge of educational psychology including current theory, evidence and research methods; o have knowledge and understanding of some specialist sub-areas of educational psychology; o understand and explain the role of factors in the students' learning and development; o be able to apply knowledge and understanding to the processes of evaluation, measurement and testing; o understand research and application to educational practice; o be able to apply the results of research in educational to answer questions about the individuality of their own and other people's learning behaviour; o be able to analyse critically on the basis of empirical evidence the major theories of educational psychology; o demonstrate skill in critical thinking, evaluating data, gathering information & reading around lectures and ability to express and interpret the principles and concepts of Educational Psychology in both oral and written form; o demonstrate capacity for reading and understanding other texts on related topics for a continuous learning throughout life
3	Prerequisites and learning activities	The students must know the principles of developmental psychology
4	Teaching methods and language	<p>Knowledge and understanding is developed involving a variety of learning modes including lectures, team work, exercises, home work, report, video based material.</p> <p>Language: Italian.</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> - Mason, L. (2013), <i>Psicologia dell'apprendimento e dell'istruzione</i>. Bologna: Il Mulino.
5	Assessment methods and criteria	<p>The exam requires students to answer a set of multiple choice questions and a set of short answer essay questions.</p> <p>These multiple assessments will be essay based, providing students with the opportunity to demonstrate their abilities to appraise and apply empirical evidence and theoretical claims in a critical manner.</p>

Programme of "PSICOLOGIA SOCIALE" "SOCIAL PSYCHOLOGY"		
P1P010, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 2nd year, 2nd semester		
Number of ECTS credits: 5 (workload is 125hours; 1 credit = 25 hours)		
Teacher: Isabella CORRADINI		
1	Course objectives	<p>Social Psychology is the study of the relationship between the individual and society.</p> <p>Course objectives:</p> <ul style="list-style-type: none"> ▪ Learn key principles and concepts in social psychology. ▪ Learn how social psychologists operate. ▪ Apply social psychological principles and concepts to your everyday life. ▪ Apply social science perspectives to social issues and problems as manifested in individuals, groups, and society.
2	Course content and Learning outcomes	<p>Topics of the Module are:</p> <ul style="list-style-type: none"> - Social Psychology's history and applications; - Concepts of "self" and "self schema", and their components; - Attitudes and behaviours;

		<ul style="list-style-type: none"> - Social perception; stereotypes, prejudice, and discrimination; - Dynamics of groups, theories of relationships; concepts of altruism and aggression and their theories; concepts of conformity and obedience and their theories; - Psycho-social risks in workplaces (stress, mobbing). <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of the social psychology theories o have familiarity with interpersonal social processes and be able to identify them o have understanding of how individual and group differences influence beliefs, values, attitudes, and interactions with others and be able to identify them; o demonstrate capacity for reading and understanding other texts on related topics.
3	Prerequisites and learning activities	The student must know fundamentals of General Psychology.
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> - E. Aronson, T. D. Wilson, R. M. Akert, <i>Psicologia Sociale</i>, Il Mulino, Bologna 2010. - I. Corradini, <i>I mobbings</i>, Themis Edizioni, Roma 2009 (but for chapters 5 and 8). - I. Corradini, P. Lambertucci, <i>Lo stress nei luoghi di lavoro. Profili psicologici, giuridici e metodologie di valutazione</i>. Themis Edizioni, Roma 2012.
5	Assessment methods and criteria	Written examination, consisting in answering open questions.

Programme of “PSICONEUROIMMUNOLOGIA” “PSYCHONEUROIMMUNOLOGY”		
P1P097, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 3TH year, 2ND semester		
Number of ECTS credits: 4 (workload is 100 hours; 1 credit = 25 hours)		
Teacher: Maria Grazia CIFONE		
1	Course objectives	Psychoneuroimmunology is a scientific model of reference that allows us to know the functioning of the human body in health and disease. The course aims to examine the influence of neuroscience and immunology models of understanding of the disease in the major fields of biomedical specialties, and to study the relationships between control systems neuroendocrine-metabolic and immune systems.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - The PsychoNeuroEndocrinolmmunology (PNEI) - The immune system as a macro-system - The immune system and psyche - Communication PNEI - The modulation of the human network: Physical and social environment and immunity - The modulation of the human network: Nutrition and Physical Activity and Immunity - Emotional stress, infectious diseases and wound healing - Depression and immune response - Eating disorders and immune system - PNEI and cancer - PNEI and aging - The integrated medicine <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> o understand and explain the relation between immune system and psyche; o demonstrate skill in making informed judgments on the models of integrated medicine and the immune system response related to different human diseases and ability to apply their knowledge; o demonstrate capacity for reading and understand other texts on related topics.
3	Prerequisites and learning activities	The student must have bases on biology and psychophysiology.
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian.</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> - Francesco Bottaccioli, <i>Psiconeuroendocrinoimmunologia</i>, (Edizioni red!) - JH Daruna, <i>Psychoneuroimmunology</i>, (Elsevier, AP, ed 2012)
5	Assessment methods and criteria	Written exam

<p align="center">Programme of “PSICONEUROFARMACOLOGIA” “PSYCHONEUROPHARMACOLOGY”</p>		
<p>P1P122, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 3TH year, 2nd semester</p>		
<p align="center">Number of ECTS credits: 4 (workload is 100 hours; 1 credit = 25 hours)</p>		
<p>Teacher: Donatella FANINI</p>		
1	Course objectives	Our course in Pharmacology is designed to prepare the student for the clinical study of therapeutics by providing a knowledge of the manner in which drugs modify biological function and behavior. The course includes a systematic study of the effects of drugs on different organ systems and disease processes, the mechanisms by which drugs produce their therapeutic and toxic effects, and the factors influencing their absorption, distribution and biological actions.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - Principles of Pharmacology, Dose-Response Relationships, Pharmacokinetics, Drug Interactions, Drug Metabolism, Receptors, ADR. Pharmacogenetics. - Structure and Function of the Nervous System, Autonomic Pharmacology: introduction, Cholinergic Pharmacology, Adrenergic Pharmacology, Dopamine and 5HT Pharmacology, Autacoids, Glutamate, GABA, Neuropeptides and Other Neurotransmitters. - Drugs of Abuse: CNS Stimulants, CNS Depressants, Antidepressants and Antipsychotics, Anticonvulsants and Anxiolytics. <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> o understand and explain how drugs modify biological functions. o demonstrate skill in making informed judgments on the effect of drugs on different organs, diseases and behavior, in the analysis of their pharmacokinetic and pharmacodynamic profile, of their potential toxic and side effects and ability to apply their knowledge. o demonstrate capacity for reading and understand other texts on related topics.
3	Prerequisites and learning activities	The student must know Neurochemistry, Neurobiology and Neurophysiology.
4	Teaching methods and language	<p>Lectures. Language: Italian. Ref. Text books:</p> <ul style="list-style-type: none"> - R.D. Howland, M.J. Mycek, <i>Le basi della Farmacologia</i>, Ed. Zanichelli - H.P. Rang, M.M. Dale, j.M. Ritter, P.K. Moore, <i>Farmacologia</i>, Casa Editrice Ambrosiana.
5	Assessment methods and criteria	Written exam

<p align="center">Programme of “PSICOLOGIA DEL LAVORO” “WORK PSYCHOLOGY”</p>		
<p>P1P100, COMPULSORY First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 3rd year, 1st semester</p>		
<p align="center">Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</p>		
<p>Teacher: Giuseppe D’IMPERIO</p>		
1	Course objectives	The course focuses on the key principles of organizational and work psychology. In particular the module concerns the developmental processes, the change management variables, the cultural value and psychological dynamics as well as the historical development of the theory and the role of psychology in the individual, group and organizational perspective.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - The organizational variables, about group, individual, culture, values and climate that influence the people behavior in the different work and organizational contest. - Developmental processes of the competence in terms of behavioral and technical profile, Selection and Recruiting, Evaluation, Diversity Management, Responsibility and different leadership model and style. <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have profound knowledge of training processes and of people management levels ; o have knowledge and understanding of the importance of the different theoretical approach and observation of the work and organization; o have knowledge and understanding of the most important variables and factors in the

		organizational and work psychology; <ul style="list-style-type: none"> o be able to apply knowledge and understanding in specific contexts; o be able to make informed judgments and choices for the observation and interpretation of the most evident interaction between people and organization; o be able to explain the competence and the role of the Work Psychologist in term of social relevance.
3	Prerequisites and learning activities	The student must know the principals psychological theory and the group dynamics
4	Teaching methods and language	Presentation of Case study, management experiences, films and documents during a very interactive lesson. Language: Italian. Ref. Text books: -G. D'Imperio, " <i>L'organizzazione come rete di relazione</i> ", Benedetti Editore -G. Sarchielli, " <i>Psicologia del Lavoro</i> ", Il Mulino
5	Assessment methods and criteria	Written exams

Programme of "COMPORAMENTO ORGANIZZATIVO"
"ORGANIZATIONAL BEHAVIOUR"

P2P043, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 3rd year, 1st semester		
Number of ECTS credits: 4 (workload is 100 hours; 1 credit = 25 hours)		
Teacher: Marco RECCHIONI		
1	Course objectives	Organizational behavior is human behavior in an organizational context. The main objective of the course is to help students understand how Psychology can help the comprehension of organizational behavior.
2	Course content and Learning outcomes	Topics of the module include: <ul style="list-style-type: none"> - <u>PART ONE: The Basic Concepts</u> <ul style="list-style-type: none"> ✓ Work Psychology vs. psychology at work ✓ Psychology in business organizations ✓ The Organizational System ✓ The Organizational subsystem: Human Resources Management ✓ The definition of Organizational Behavior - <u>PART TWO: Main Elements of organizational behavior: motivation, skills and competencies, organizational culture</u> <ul style="list-style-type: none"> ✓ Motivation ✓ Main motivational theories ✓ Definition of skills and competencies ✓ Organizational roles and positions ✓ Main organizational models ✓ Corporate Culture and ✓ Organizational Behavior <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o understand and explain the relation between psychology, motivation and organizational behavior; o demonstrate skill in making informed judgments and in critical thinking on the motivation models, organization theories and relative connections with basic tenets and salient questions in Psychology.
3	Prerequisites and learning activities	No prerequisites and learning activities are requested.
4	Teaching methods and language	Lectures Language: Italian. Ref. Text books: -John W. Slocum, Don Hellriegel, " <i>Comportamento Organizzativo. Fondamenti psicologici per l'azione manageriale</i> ", Hoepli, 2010
5	Assessment methods and criteria	Oral exam

Programme of "NEUROPSICHIATRIA INFANTILE"
"CHILDHOOD NEUROPSYCHIATRY"

P1P255, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 3rd year, 1st semester		
Number of ECTS credits: 4 (workload is 100 hours; 1 credit = 25 hours)		
Teacher: Elisabetta TOZZI		
1	Course objectives	This Module aims to provide the students with an overview of the main topics of neuropsychiatry of childhood and adolescence and with the awareness of the difficulties of cognitive, behavioral and emotional developmental age. The course concerns the study of any neuropsychiatric disorders of development considering the recent scientific research, adopts an interpretation which integrates the scientific evidence with the psychological approach and respects the integrity between mind and body.
2	Course content and Learning outcomes	<p>Topics of the Module are:</p> <ul style="list-style-type: none"> - The perinatal damage and consequences; Mental Retardation, Pervasive Development Disorders; - The Specific Learning Disorders, Disorders of Language; - Attention Deficit / Hyperactivity Disorder, Conduct Disorder, - The pathology of attachment; - The neurological disabilities: Infantile Cerebral Palsy, epilepsies; - The headaches and psychosomatic diseases. <p>At the end of the course the students will</p> <ul style="list-style-type: none"> o Understand normal growth and development o Be familiar with the various diagnostic conditions seen during childhood and adolescence including ADHD, Conduct Disorder, Anxiety Disorders and Learning Disabilities o Understand the difference in symptomatology between children, adolescent and adults o Understand the occurrence of commonalities in children and adolescents o Understand the importance and impact of family dynamics among children and adolescence o Understand the importance and impact of school experiences and peer relationships o Become familiar with the various classifications of medications and their appropriate uses with child and adolescent patients o Be aware of the various structured diagnostic tests
3	Prerequisites and learning activities	The student must have the basic knowledge provided by the Modules of the First year
4	Teaching methods and language	Lecture and slides Language: Italian and English Ref. Text books: - Vincenzo Guidetti, <i>Fondamenti di neuropsichiatria dell'infanzia e dell'adolescenza</i> , Collana "Manuali" Editore: Il Mulino, 2005 - Roberto Militerni, <i>Neuropsichiatria Infantile</i> , Ed. Idelson-Gnocchi, 2004
5	Assessment methods and criteria	Oral exam

Programme of "PSICHIATRIA E PSICOPATOLOGIA"		
"PSYCHIATRY AND PSYCHOPATHOLOGY"		
P0080, COMPULSORY		
First cycle Degree in APPLIED PSYCHOLOGY SCIENCES, 3rd year, 1st semester		
Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)		
Teacher: Francesta PACITTI		
1	Course objectives	The goal of this course is to provide the knowledge of the organization of community-based mental health services in Italy and the psychiatric disorders. On successful completion of this module, the students should have the understanding of the main psychiatric disorders and of the community-based mental health services.
2	Course content and Learning outcomes	<p>Topics of the module include:</p> <ul style="list-style-type: none"> - The organization of community-based mental health services in Italy: Low 180, compulsory psychiatric treatments; - Psychiatric classification of mental disorders (DSM-V); - Bipolar and Depressive Disorders; - Schizophrenia Spectrum and other psychotic disorders; - Anxiety Disorders; - Obsessive-Compulsive and related Disorders; - Substance-related and addictive Disorders; - Somatic symptom and related Disorders; - Personality Disorders; - Feeding and eating Disorders; - Neurocognitive Disorders;

		<ul style="list-style-type: none"> - Sexual disorders; - Psychiatric treatments; - Suicide. <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> o have a profound knowledge of the DSM-V Criteria; o be able to compare and distinguish the combination of symptoms that define the main mental disorders.
3	Prerequisites and learning activities	Basic knowledge of neurophysiology
4	Teaching methods and language	<p>Lectures.</p> <p>Language: Italian</p> <p>Ref. Text books:</p> <ul style="list-style-type: none"> -Biondi M., Carpiello B., Muscettola G., Placidi G., Rossi A., Scarone S., <i>Manuale di Psichiatria</i>. Elsevier, 2009 - Balestrieri M. Bellantuono C. Berardi D. Di Giannantonio M., <i>Manuale di Psichiatria</i>, 2007, Il Pensiero Scientifico
5	Assessment methods and criteria	Written Exam