



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2016/2017		
BACHELOR'S DEGREE (BSC)	PSYCHIATRIC REHABILITATION TECHNIQUE		
INTEGRATED COURSE	PSYCHIATRIC REHABILITATION AND MEDICAL STATISTICS - INTEGRATED COURSE		
CODE	15143		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/48, MED/01		
HEAD PROFESSOR(S)	MATRANGA DOMENICA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	MATRANGA DOMENICA	Professore Ordinario	Univ. di PALERMO
	LA CASCIA CATERINA	Professore Associato	Univ. di PALERMO
CREDITS	7		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	1		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<p>LA CASCIA CATERINA Monday 11:00 12:30 via la loggia n.1</p> <p>MATRANGA DOMENICA Friday 12:00 13:30 Stanza della docente, Dipartimento di Promozione della Salute, Materno-Infantile, Medicina interna e specialistica di eccellenza "G. D'Alessandro", Via del Vespro, 133, piano terra</p>		

DOCENTE: Prof.ssa DOMENICA MATRANGA

PREREQUISITES	The student must possess expertises and knowledges required to pass the admission test.
LEARNING OUTCOMES	LEARNING EXPECTED RESULTS Knowledge and comprehension Knowledge and understanding of basic principles, foundations and language in psychiatric rehabilitation and field of statistics. Ability to use knowledge and comprehension Ability to perform simple statistical analyses in the context of psychiatric rehabilitation and capacity of application to practical cases and troubleshooting, in a way to prove decision capability and critical autonomy. Making judgments Capacity 'to express points of view in relation to the knowledge and the skills' acquired. Communication ability Capacity to express the acquired knowledge with appropriate language. Learning ability Make the student able to learn in autonomous manner, to process and transmit the acquired knowledge
ASSESSMENT METHODS	The oral exam will consist of an interview that is to ascertain the possession of skills and subject knowledge provided by the course. The candidate will have to answer at least two-three questions for each module posed orally, on all parties covered by the program, with reference to the recommended texts. The assessment is carried out of thirty. The pass mark will be reached when the student shows knowledge and understanding of the subjects at least in general terms; furthermore, the student will also have to show presentation and argumentative skills as to allow the transmission of his/her knowledge to the examiner. Below this threshold, the examination will be insufficient. The more, however, the student will be able to find own connections between the topics of the course and be able to go into detail on the subject of discipline, the more the assessment is positive. The assessment is done according to the following scheme: A – A+ (Excellent)=30-30 cum laude=Excellent knowledge of teaching contents; students should show high analytical and synthetic capabilities and should be able to apply their knowledge to solve highly complex problems. B (Very good)=27-29=Very good knowledge of the teaching contents and excellent language control; students should show analytical and synthetic skills and be able to apply their knowledge to solve problems of medium and, in some cases, even higher complexity. C (Good)=24- 26=Good knowledge of teaching contents and good language control; the students should be able to apply their knowledge to solve problems of medium complexity D (Satisfactory)=21-23=Average knowledge of the teaching contents, in some cases limited to the main topic; acceptable ability to use the specific discipline language and independently apply the acquired knowledge. E (Sufficient)=18-20=Minimum teaching content knowledge, often limited to the main topic; modest ability to use the subject specific language and independently apply the acquired knowledge. F (Fail)=1-17=Lack of an acceptable knowledge of the main teaching content knowledge; very little or no ability to use the specific subject language and apply independently the acquired knowledge.
TEACHING METHODS	Lectures and practice

**MODULE
ELEMENTS AND TENETS OF PSYCHIATRIC REHABILITATION**

Prof.ssa CATERINA LA CASCIA

SUGGESTED BIBLIOGRAPHY

Liberman R.P., Il recovery dalla disabilit , Fioriti Editore, Roma, 2012.
Dispense e materiale forniti dal docente

AMBIT	10333-Scienze della riabilitazione psichiatrica
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquisition of the basic concepts di physical and mental disability.
knowledge of issues, values and main theories of psychiatric rehabilitation

SYLLABUS

Hrs	Frontal teaching
3	introduction to psychiatric rehabilitation
3	History of physical and mental disability
9	Mental health & psychiatric rehabilitation, disablement, disability & handicap, values and aims psychiatric rehabilitation
3	psychiatric rehabilitation
6	recovery and psychiatric rehabilitation
6	Liberman theory

MODULE MEDICAL STATISTICS

Prof.ssa DOMENICA MATRANGA

SUGGESTED BIBLIOGRAPHY

Triola MM Triola MF, Statistica per le discipline biosanitarie, Pearson

Altri testi di approfondimento

Bacchieri A., Della Cioppa G. Fondamenti di ricerca clinica, Springer

AMBIT	10318-Scienze propedeutiche
INDIVIDUAL STUDY (Hrs)	60
COURSE ACTIVITY (Hrs)	40

EDUCATIONAL OBJECTIVES OF THE MODULE

The course is aimed to introduce the statistical methodology useful to the skills of the psychiatric rehabilitation. Students will be introduced to the elementary concepts of descriptive statistics, probability calculation and measurement of accuracy of diagnostic tests. Moreover, they will learn the principals of biomedical study design and of risk assessment

SYLLABUS

Hrs	Frontal teaching
3	Sources of health data
2	Basic concepts: qualitative and quantitative characters, discrete and continuous characters, scales of measurement: nominal, ordinal, intervals and ratio
2	Data presentation: frequency and quantity distributions. Graphical representations
4	Measures of mean and variability with exercises
4	Elements of probability theory. Bayes Theorem. Measures of accuracy of diagnostic tests. Roc Curves
3	Theoretical distributions: Gauss and Binomial distribution, with exercises
3	Central Limit Theorem. Sample distributions of sample mean and sample frequency, with exercises
3	Statistical estimate of Mean and Frequency
3	Statistical tests for the mean and the frequency
4	Observational and experimental studies
2	Measuring risk: Odds ratio and Relative Risk, with confidence intervals
Hrs	Practice
2	Practice on the use of health databases
4	Practice on preparation of tables and graphics to describe and summarize data
1	Statistical tests for the mean and the frequency