



PSYCHOLOGY

COURSES TAUGHT IN ENGLISH



STUDY PSYCHOLOGY @MILANO-BICOCCA

The field of Psychology at the University of Milano-Bicocca is a growing community of researchers, intellectuals, and students who investigate the human mind and behavior in a societal context. The department conducts cutting-edge psychological, clinical and behavioral research that is also applied to the real world.

The departments bring together the following degree programs:

B 2 Bachelor degrees

M 4 Master degrees (2 year)

OUR INTERNATIONAL OFFER

In the field of Psychology, our University offers the following degree program in English:

- * Post Graduate Degree In Applied Experimental Psychological Sciences.

There are a total of 23 individual courses taught entirely in English.

OUR LOCATION

All courses in the field of Psychology are held at our Milan campus.

TABLE OF CONTENTS:

- * APPLIED COGNITIVE DEVELOPMENT
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- * ELEMENTS OF HUMAN-TECHNOLOGY INTERACTION
- * EVALUATION OF PSYCHOLOGICAL INTERVENTIONS LABORATORY
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- * NEURO FUNCTIONAL BASIS OF COGNITIVE AND AFFECTIVE PROCESSES
- * PSYCHOMETRICS AND QUANTITATIVE METHODS
- * RESEARCH METHODS IN COGNITIVE NEUROSCIENCE
- * SOCIAL COGNITION
- * SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCES

APPLIED COGNITIVE DEVELOPMENT

LECTURER: MARZOCCHI GIAN MARCO



CONTENTS

Knowledge and understanding:

- * Theories related to different type of studies in cognitive development
- * Research methods in various applications in developmental psychology.

Applying knowledge and understanding:

- * Type of projects in relation to different contexts (education, disorders, legal psychology);
- * The relevance of the research to understand different problems related to developmental psychology.

The course aims to illustrate how knowledge about human cognitive development can be applied to promote children's cognitive functions in different settings/domains. These include, among others, learning processes in educational contexts, assessment and intervention in learning disabilities, memory processes in child witness in the law context, the effects of technological devices on attention, perception and learning. Students will acquire the ability to apply theoretical knowledge and research methods of Developmental Psychology to design intervention projects in a variety of settings, including, but not limited to, school settings. During the class, students will familiarize with several tests for the assessment of cognitive development and learning impairments.

PREREQUISITES

A good knowledge of developmental psychology is necessary to understand the contents of the course.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19899>

M
YEAR: 2
SEM: 2
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: gianmarco.marzocchi@unimib.it



APPLIED NEUROSCIENCE

LECTURER: GALLACE ALBERTO



CONTENTS

Knowledge and understanding:

- * The application of knowledge from Cognitive Neurosciences to production systems and technological development;
- * The use of methodologies and techniques from Cognitive neurosciences to the analysis of responses obtained from human consumers/users.

Applying knowledge and understanding:

- * Ability of transferring the course contents to the planning and development of strategies and research plan in the field of applied cognitive neurosciences.

The field study of applied cognitive neurosciences and of its most recent developments will be analysed. In particular, the course will discuss how the knowledge regarding the nervous bases of behaviour can be used in different practical applications such as: product design, Virtual Reality, engineering, movie making, gastronomy, marketing, technological development, human-machine interfaces, improvement of services. The course will start with an overview of the most important cerebral structures and of their functions, seen from an applied perspective. The role of the human sensory systems in the interactions with products, services and technologies will be examined. Special attention will be dedicated to the theme of human-machine interactions and presence in Virtual Reality environments. Finally, the course will discuss the use of the neuroscientific methodologies for the study of explicit and implicit (behavioural and physiological) reactions to ecologically valid situations (e.g., shopping, human computer interactions, virtual reality simulations, etc.)

PREREQUISITES Good English knowledge.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19900>

M

YEAR: 2

SEM: 1

ECTS: 8

DEGREE in Applied Experimental Psychological Sciences

CONTACT: alberto.gallace1@unimib.it



CONTENTS

Knowledge and understanding

- * Analysis of linguistic ambiguity (phonological, lexical, syntactic, semantic, pragmatic) from the point of view of (i) the architecture of language and (ii) the mechanisms underlying language processing;
- * Analysis of the mechanisms of parsing of words and sentences and principles of language processing from the point of view of (i) theoretical implications (for models of language processing); (ii) practical applications (use of language in real communicative situations);
- * Analysis of the experimental methodologies and paradigms used in the investigation of the mechanisms involved in language processing;
- * Analysis of the experimental questions that inform the current debates in psycholinguistics.

PREREQUISITES

A background in linguistics and basic knowledge of syntax and semantics will help in understanding the course content. At the beginning of the course an assessment about the students' basic competence in linguistics will be carried out in order to modulate lessons accordingly. Students lacking such basic knowledge will be referred to a list of basic references.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19901>

M

YEAR: 2
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: francesca.foppolo@unimib.it



APPLIED SOCIAL COGNITION TO PUBLIC POLICIES

LECTURER: MARI SILVIA



CONTENTS

Knowledge and understanding:

- * Individual, social and societal factors affecting behaviors and cognitions
- * Major socio-cognitive theories explaining behavior
- * Attitudes and beliefs systems affecting behavior
- * Multiple intervention techniques and research methods.

Applying knowledge and understanding

- * Understanding, analysis, and evaluation of research designs to solve social problems
- * Analysis of diverse applied contexts of relevant social interest, e.g.: political, health, environmental and technologies use domains
- * Practical applications of diverse methods and research paradigms of investigation
- * Critical analysis of applied research examples.

The course will provide an overview of the domains in which socio-cognitive theories and research have been applied outside the laboratory to influence public policies. The course will be devoted to examining a sample of contexts in which applied research has made contributions. These include political issues (e.g., promoting participation, reducing inequalities and improving intergroup relations), psychological and physical health (e.g., promotion and prevention behaviors), environmental concerns (e.g., climate change), mass media effects (e.g., scientific misinformation and conspiracy theories). Practical problems and ethical issues unique to the applied work will be considered.

PREREQUISITES

No previous knowledge is required. A good knowledge of the basis of Social Psychology enables a more aware fruition of the course contents. Students lacking such basic knowledge are encouraged to ask for a list of basic references.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19902>

M

YEAR: 2
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: silvia.mari@unimib.it

COGNITIVE AND BEHAVIORAL MEASURES

LECTURER: RINALDI LUCA



CONTENTS

Knowledge and understanding:

- * Illustrating the diversity of behavioural approaches employed to study different aspects of cognition (response inhibition, memory, attention).
- * Elucidating how the assumptions made by cognitive researchers are reflected in their experimental methods.

Applying knowledge and understanding:

- * Understanding the experimental design of classic reaction time paradigms in psychology.
- * Designing and programming computerized experiments.
- * Analyzing and interpreting the data to reach a full grasp of the underlying psychological mechanisms.

This course is an introduction to experimental methods used in cognitive research. Students will be first offered a basic understanding of the principles beyond the design of some classic experimental tasks in different areas of psychology (e.g., Priming task, Stroop task, Posner cueing task). Next, students will have the chance to program and conduct some experiments. Finally, they will also gain experience in the analysis and interpretation of behavioural data.

PREREQUISITES

Familiarity with Matlab, E-Prime, OpenSesame or other programming languages. General knowledge in the field of experimental psychology.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19913>

M
YEAR: 1
SEM: 2
ECTS: 4
DEGREE in Applied Experimental Psychological Sciences
CONTACT: luca.rinaldi@unimib.it



COGNITIVE DEVELOPMENT

LECTURER: BULF HERMANN



CONTENTS

Knowledge and understanding:

- * Theories and methods in cognitive development
- * The developmental cognitive neuroscience approach to the study of the human mind
- * Developmental change from infancy to adolescence across a variety of cognitive domains.

Applying knowledge and understanding:

- * Empirical questions, methods and limitations of research in cognitive development
- * Evaluation of research outcomes and understanding of how empirical evidence and theories of cognitive development can inform each other.

This course is aimed at providing an understanding of how children's cognitive processes develop from early infancy to adolescence across a variety of cognitive domains. State-of-the-art research on cognitive development will be illustrated and discussed in relation to contemporary and more traditional views. The class will focus on how attention, perception, memory and mentalizing abilities change over time, and on the neurobiological mechanisms at the basis of these developmental changes.

PREREQUISITES

A good knowledge of the basis of developmental psychology enables a more aware use of the course contents.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19914>

M

YEAR: 1

SEM: 2

ECTS: 8

DEGREE in Applied Experimental Psychological Sciences

CONTACT: hermann.bulf@unimib.it

COGNITIVE ERGONOMICS

LECTURER: ACTIS GROSSO ROSSANA



CONTENTS

Knowledge and understanding:

- * be aware of the implications of psychological research for improving the design and evaluation of computer systems
- * be able to explain the importance of user-centred design
- * consider how technologies should be designed to support communication and collaboration, and how their design can affect these processes.

Applying knowledge and understanding:

- * Consider how technologies can affect user experience and how they can encourage changes in behaviour
- * Be able to apply major theories in cognitive psychology to practical case studies
- * Communicate ideas and research findings by written means/group work.

Purpose of the course is to provide basic knowledge about Cognitive Ergonomics and Human Computer Interaction and to provide insights about those peculiar aspects that link design to cognitive ergonomics. Special attention will be given to the “communicative” aspects of user-centered design, both in reference to usability and aesthetic pleasantness, and to the methods developed to evaluate the User Experience.

PREREQUISITES

Knowledge of written English is required for the analyses of scientific papers proposed during the lessons; basic knowledge of cognitive psychology and methods of research in psychology.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19903>

M
YEAR: 2
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: rossana.actis@unimib.it



COGNITIVE FOUNDATION OF COGNITIVE AND AFFECTIVE PROCESSES (module of Social Cognitive and Affective Neurosciences)

LECTURER: RICCIARDELLI PAOLA



CONTENTS

Knowledge and understanding:

- * Knowing the cognitive, neurobiological and functional bases of social and affective mental processes;
- * Understanding the genesis and dynamics of alterations and disorders of cognitive, communicative, emotional-motivational and social activity.

Applying knowledge and understanding:

- * Acquisition of the ability to apply the acquired knowledge in order to design and carry out empirical studies in the field of social and affective neuroscience;
- * Acquisition of the ability to apply the acquired knowledge in order to personally design and carry out clinical interventions focused on specific patients with socio-affective disorders.

This course provides essential knowledge concerning the main cognitive models of social and emotional-motivational processes in humans, in order to promote the understanding of socio-emotional and behavioral functions, both in healthy people and patients with specific social or affective disorders.

PREREQUISITES

This course requires a basic knowledge of anatomy and physiology of the nervous system and its cognitive functions. The understanding of textbook and scientific article in English.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19910>

M

YEAR: 2
SEM: 2
ECTS: Only if the entire course is frequented
DEGREE in Applied Experimental Psychological Sciences
CONTACT: paola.ricciardelli@unimib.it

PROGRAM CODE: F5105P002

COGNITIVE NEUROSCIENCE

LECTURER: CATTANEO ZAIRA

CONTENTS

This course provides a strong background in systems-level neuroscience and allows students to develop integrative research interests that cross domains. The laboratory will allow students to learn how to program basic experiments in cognitive neuroscience. Students in the program gain a thorough understanding of the intellectual issues that drive this rapidly growing field, as well as expertise in the major methods for research on higher brain function. Students will also learn to apply the acquired knowledge to design and carry out empirical studies in the field of cognitive neuroscience. In particular, they will learn how to design experiments in E-Prime, a program designed to facilitate the conception of any experiment that uses a computer as an interface between the subject and the experimenter.

PREREQUISITES

This course requires a basic knowledge of anatomy and physiology of the nervous system and its cognitive functions.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19915>

M

YEAR: 1
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: zaira.cattaneo@unimib.it



COGNITIVE PSYCHOLOGY

LECTURER: BRICOLO EMANUELA



CONTENTS

Knowledge and understanding:

- * To develop deep understanding of basic cognitive concepts and theories by reviewing the main findings.
- * Knowledge of experimental methods: what happens in experiments and how results are explained with theories
- * Knowledge of main real world applications of research findings and how they are relevant to everyday life.
- * The laboratory will teach students basic programming abilities in Matlab.

Applying knowledge and understanding:

- * Students will be able to apply their understanding of main theories and concepts in order to apply them in designing experiments to everyday issues.
- * They will be able to design a simple experiment and implementing it in Matlab.

We will analyze the flow of information processing in the mind and specifically we will try to understand how people perceive and attend to the environment, how people learn and remember, how they comprehend and produce language, and how they reason and make decisions. For each topic applications to everyday situations will be presented. The ultimate goal will be to explain, manipulate, and replicate behavior in everyday contexts.

PREREQUISITES

Course attendance requires fluent spoken and written English as a necessary prerequisite: all lectures, laboratory tutorials, and all study material and exams will be in English. It is assumed that students have knowledge and understanding of the basic methodology and theories in General Psychology.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19916>

M

YEAR: 1
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: emanuela.bricolo@unimib.it

COMPUTATIONAL MODELLING

LECTURER: MARELLI MARCO



CONTENTS

Knowledge and understanding:

- * Methodological and epistemological foundations in cognitive modelling;
- * Development of computational models: techniques and approaches;
- * Methods for the validation and assessment of the models.

Applying knowledge and understanding:

- * Development of simple models in different domains of human cognition;
- * Application of toolkits to large-scale data;
- * Validation of computational models through behavioral data;
- * Critical analysis and interpretation of the model and its predictions.

The course aims to provide an introduction to the use of computational modeling in cognitive sciences. The theoretical and epistemological bases of the approach will be described, as well as the main methods of developing and validating a model, with examples from different domains of human cognition. The lectures will be accompanied by hands-on practice with the techniques and methodologies introduced.

PREREQUISITES

Familiarity with Matlab, R, or other programming languages. General knowledge in the field of cognitive psychology.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19917>

M

YEAR: 1

SEM: 2

ECTS: 4

DEGREE in Applied Experimental Psychological Sciences

CONTACT: marco.marelli@unimib.it



PROGRAM CODE: F5105P015

CONSUMER PSYCHOLOGY

LECTURER: OLIVERO NADIA



CONTENTS

Knowledge and understanding:

- * Models and Theories of decision making
- * Models and Theories of attitudes and persuasion
- * Contexts and Trends of consumption
- * Prediction of consumer behaviour.

Applying knowledge and understanding:

- * Application of consumer psychology to marketing;
- * Research Methods;
- * Marketing cases.

The course provides a complete overview of the main topics of Consumer Psychology and integrates theoretical contributions with case histories from main brands and companies.

PREREQUISITES

None.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19904>

M

YEAR: 2

SEM: 2

ECTS: 8

DEGREE in Applied Experimental Psychological Sciences

CONTACT: nadia.olivero@unimib.it

PROGRAM CODE: F5105P008

DECISION MAKING

LECTURER: REVERBERI FRANCO CARLO



CONTENTS

Knowledge and understanding:

- * Understand the ideal standards of decision-making both in individual and interactive context;
- * Understand why people fail to cope with ideal standards;
- * Heuristics in decision-making and associated biases;
- * Prospect theory and associated formal modeling of decision making;
- * Understand how indirect suggestions can influence decisions (nudging).

Applying knowledge and understanding:

- * Determination of the optimal course of action in different contexts, with examples from clinical decision making and economic decisions;
- * Analysis of the typical decision course of individuals, with critical analysis of their limits;
- * Use of professional software for building and visualizing decision trees.

The course will explore and discuss the main theories and recent experimental evidence on human decision making and its neural basis. The course will teach the principles and the use of a professional software for building and analyzing decision trees (TreeAge Pro).

PREREQUISITES

None.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19905>

M
YEAR: 2
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: carlo.reverberi@unimib.it



PROGRAM CODE: F5105P029

ELEMENTS OF HUMAN-TECHNOLOGY INTERACTION

LECTURER: GUARDIANI PIETRO



CONTENTS

Knowledge and understanding:

- * To develop understanding of the interaction between people and technology, with focus on new technological developments such as virtual reality, augmented reality, and interactive apps. Knowledge of how these tools can be used as a means to create contexts within which human behaviour and cognition can be studied as well as of how people approach and interact with novel technologies.

Applying knowledge and understanding:

- * Students will be able to apply basic concepts of human-technology interaction to everyday relevant issues.

PREREQUISITES

None.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19906>

M

YEAR: 2

SEM: 2

ECTS: 8

DEGREE in Applied Experimental Psychological Sciences

CONTACT: tbd



CONTENTS

Knowledge and understanding:

- * Illustrating types of interventions
- * Designing interventions and identifying their implications (e.g., ethics, golden standards, sampling);
- * Analyzing costs and benefits of interventions.

Applying knowledge and understanding:

- * Development of an intervention project;
- * Critical evaluation of interventions (theoretical and methodological implications).

The course aims to provide theoretical and methodological basis in order to design and evaluate psychological interventions. Students will be provided with a general framework of the elements that constitute typical interventions in different psychological areas. A series of specific, technical topics will be deepened by invited experts that will share their experience. Students will have the opportunity to practice their knowledge and to design an intervention.

PREREQUISITES

A good knowledge of the main research methods employed in psychological research enables a more aware learning.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19907>

M
YEAR: 2
SEM: 1
ECTS: 4
DEGREE in Applied Experimental Psychological Sciences
CONTACT: luca.pancani@unimib.it



EXPERIMENTAL CLINICAL PSYCHOLOGY

LECTURER: PRETI EMANUELE



CONTENTS

Knowledge and understanding:

- * Clinical psychological sciences: Methods and areas of investigation;
- * Research designs for treatment evaluation;
- * Experimental psychopathology: Investigating abnormal behavior, cognition, and emotion.

Applying knowledge and understanding:

- * Understanding, analysis, and evaluation of research designs in clinical psychology;
- * Identifying and analyzing the critical elements of research designs for treatment evaluation;
- * Applying experimental paradigms for the investigation of abnormal behavior, cognition, and emotion.

Clinical psychological research is often concerned with investigating the causes of abnormal behavior, cognition, and emotion or with its treatment. A range of study designs can be used to identify causes of illness and to evaluate treatments, and Randomized Controlled Trials (RCTs) have rapidly become the gold standard for evidence-based treatments. In this course we will discuss the strengths and weaknesses of different treatment evaluation designs. Furthermore, experimental psychopathology represents a subfield of psychological science aimed at elucidating the processes underlying abnormal behavior.

PREREQUISITES

A background in abnormal psychology and basic knowledge of psychotherapeutic interventions will help in understanding the course content.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19918>

M

YEAR: 1
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: emanuele.preti@unimib.it

PROGRAM CODE: F5105P016

GAMES AND STRATEGIC BEHAVIOUR

LECTURER: GILLI MARIO ROBERTO

CONTENTS

This course is an introduction to topics in APPLIED game theory. Its objective is to equip the students with tools essential to study economics of information and of strategic behaviour and for setting up and solving a wide range of economic problems, both micro and macro.

1. Rational behavior both under certainty and under uncertainty;
2. Game representations: extensive form, strategic form and Bayesian games;
3. Nash equilibria and refinements in extensive form, with applications;
4. Nash equilibria and refinements in strategic form, with applications;
5. Bargaining models and applications.

PREREQUISITES

Basic economics and mathematics.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19908>

M
YEAR: 2
SEM: 1
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: mario.gilli@unimib.it



MEASUREMENT METHODS AND AMBULATORY ASSESSMENT

LECTURER: RICHTIN JULIETTE



CONTENTS

Knowledge and understanding:

- * Learning different methods for survey research (including ambulatory assessment) and indirect measures;
- * Learning about the scale construction process and psychometric issues when creating a measure.

Applying knowledge and understanding:

- * Identifying the best methods to measure different concepts in different domains.
- * Creating surveys and indirect measures using specific software

PREREQUISITES

None.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19919>

M

YEAR: 1

SEM: 2

ECTS: 4

DEGREE in Applied Experimental Psychological Sciences

CONTACT: juliette.richetin@unimib.it

NEURO FUNCTIONAL BASIS OF COGNITIVE AND AFFECTIVE PROCESSES (module of Social Cognitive and Affective Neurosciences)

LECTURER: ALICE MADO PROVERBIO



CONTENTS

Knowledge and understanding:

- * Knowing the cognitive, neurobiological and functional bases of social and affective mental processes;
- * Understanding the genesis and dynamics of alterations and disorders of cognitive, communicative, emotional-motivational and social activity.

Applying knowledge and understanding:

- * Acquisition of the ability to apply the acquired knowledge in order to design and carry out empirical studies in the field of social and affective neuroscience;
- * Acquisition of the ability to apply the acquired knowledge in order to personally design and carry out clinical interventions focused on specific patients with socio-affective disorders.

This course provides essential knowledge concerning the main neurophysiological bases of social and emotional-motivational processes in humans, in order to promote the understanding of socio-emotional and behavioral functions, both in healthy people and patients with specific social or affective disorders.

PREREQUISITES

This course requires a basic knowledge of anatomy and physiology of the nervous system and its cognitive functions.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19911>

M

YEAR: 2
SEM: 2
ECTS: Only if the entire course is frequented
DEGREE in Applied Experimental Psychological Sciences
CONTACT: mado.proverbio@unimib.it



PSYCHOMETRICS AND QUANTITATIVE METHODS

LECTURER: GIULIO COSTANTINI, GALLUCCI MARCELLO



CONTENTS

Knowledge and understanding:

- * Basics of measurement in psychology;
- * Psychological measures properties;l
- * Basics of inferential statistics and hypothesis testing;
- * Statistics for prediction;
- * Statistics for comparing means;
- * Data dimensional structure.

Applying knowledge and understanding:

- * Using and evaluating different types of psychological measures;
- * Understanding of basic logic of scientific empirical testing;
- * Ability to analyze data in a range of research designs;
- * Estimating and understanding simple and complex relationships among variables;
- * Mastering of R software (laboratory).

The course is about psychometrics and quantitative methods. Fundamental concepts related to measurement in psychology and the logic of hypothesis testing will be presented.

PREREQUISITES

Basic descriptive statistics (measures of central tendency and dispersion); Basic inferential statistics; Simple linear regression and correlation; t-test. Students who lack these prerequisites should read the first two chapters of the manual. Furthermore, these concepts will be briefly introduced in class.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19920>

M

YEAR: 1
SEM: 2
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: giulio.costantini@unimib.it

RESEARCH METHODS IN COGNITIVE NEUROSCIENCE

LECTURER: PROVERBIO ALICE MADO



CONTENTS

Knowledge and understanding:

- * Knowing the functional and technical properties of the most important non-invasive research methods in Cognitive neuroscience;
- * Understanding the genesis and dynamics of brain signals and how they do reflect mental functions.

Applying knowledge and understanding:

- * Acquisition of the technical ability to apply the acquired knowledge in order to design and carry out real empirical studies in the field of Applied Psychology and related disciplines (see a list below).

This course provides essential knowledge of main research techniques based on electromagnetic signals of the brain (EEG/ERP/MEG) in order to promote the theoretical and practical application of their use in several domains of applied Psychology. The first module will provide a theoretical knowledge about the technique while the second module consists in hands-on lab activity.

PREREQUISITES

This course requires a basic knowledge of Cognitive Neuroscience of the nervous system and its cognitive functions. The understanding of textbook and scientific articles in English.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19921>

M
YEAR: 1
SEM: 2
ECTS: 4
DEGREE in Applied Experimental Psychological Sciences
CONTACT: mado.proverbio@unimib.it



SOCIAL COGNITION

LECTURER: DURANTE FEDERICA



CONTENTS

Knowledge and understanding:

- * The role that cognitive processes play in how people perceive, interpret and remember information about themselves, other people, and social groups;
- * How cognitive biases affect social interactions;
- * Doing social cognition research using Inquisit.

Applying knowledge and understanding:

- * Understanding, analysis, evaluation, and integration of theory and research related to social cognition;
- * Implications of the theories and findings for a variety of real-world phenomena;
- * Identify and analyze with appropriate theoretical-methodological skills the characteristics of different situations.

This course provides an overview of theory and research in social cognition. It examines the role that cognitive processes play in the way people make sense of themselves and others. Topics to be studied include automatic versus controlled processing, social categorization, attribution, heuristics, impression formation, the self, stereotypes. Additionally, the associated lab activities provide basic skills in programming social cognition experiments using the Inquisit software.

PREREQUISITES

None. However, basic knowledge of Social Psychology and Research Methods in Social Sciences enables a more informed use of the course contents.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19922>

M

YEAR: 1

SEM: 1

ECTS: 8

DEGREE in Applied Experimental Psychological Sciences

CONTACT: federica.durante@unimib.it

PROGRAM CODE: F5105P012

SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCES

MODULES: Cognitive Foundation of Cognitive and Affective Processes
(ref. F5105P013M)
Neuro-functional Basis of Cognitive and Affective Processes
(ref. F5105P014M)



LECTURER: ALICE MADO PROVERBIO, RICCIARDELLI PAOLA

CONTENTS

This course provides essential knowledge concerning the main cognitive models of social and emotional-motivational processes in humans, in order to promote the understanding of socio-emotional and behavioral functions, both in healthy people and patients with specific social or affective disorders.

PREREQUISITES

None.

WEBSITE <https://elearning.unimib.it/course/info.php?id=19909>

M

YEAR: 2
SEM: 2
ECTS: 8
DEGREE in Applied Experimental Psychological Sciences
CONTACT: mado.proverbio@unimib.it





THANKS FOR YOUR ATTENTION.

FOR FURTHER INFORMATION, PLEASE CONSULT OUR WEBSITE: [WWW.UNIMIB.IT](https://www.unimib.it)

IT'S IMPORTANT TO FOLLOW ALL UPDATE ON THE WEBSITE: [HTTPS://ELEARNING.UNIMIB.IT](https://elearning.unimib.it)

COURTESY OF THE INTERNATIONAL PROMOTION OFFICE OF THE MILANO-BICOCCA UNIVERSITY.

