



Corso di Laurea Magistrale in Applied Experimental Psychological Sciences

Cosa

- CdLM “Applied Experimental Psychological Sciences” (LM-51). Primo anno istituzione 2017/18.
- Offerta formativa **unica e distintiva** nel panorama nazionale.
- Formare laureati con conoscenze avanzate nell’ambito delle scienze psicologiche ed approfondite competenze trasversali metodologiche e di ricerca.
- In grado applicare tali conoscenze (**principi psicologici**) in diversi domini, sia pubblici che privati.



- **Erogato in lingua Inglese**
- **Criteri di accesso: B2 in lingua inglese e 88 CFU in materie psicologiche (soddisfatto da laurea L-24)**
- Enfasi su competenze metodologiche e trasversali
- Integrazione tra conoscenze di base ed applicate
- Generalità (1 anno) con specificità (esami a scelta secondo anno + stage e tesi) e flessibilità (24 CFU laboratori metodologici)



Piano didattico

1 anno (64 CFU)

- ▷ 6 corsi obbligatori da 8 CFU (48 CFU)
- ▷ 2 laboratori Metodi di Ricerca (8 CFU)
- ▷ 1 corso a scelta libera (8 CFU)

2 anno (56 CFU)

- ▷ 3 corsi a scelta da 8 CFU (24 CFU)
- ▷ 2 laboratori competenze di ricerca trasversali (8 CFU)
- Stage e Tesi (24 CFU)

Primo anno

M-PSI/02 Cognitive Neuroscience (6+2 E-Prime)*

Topics: Cognitive and neural processes that support attention, vision, language, motor control, navigation, and memory, among others.

M-PSI/01 Cognitive Psychology (6 + 2 Matlab)*

Topics: Core issues in cognitive psychology (perception, memory, language comprehension and problem solving, among others) accompanied by a variety of concrete examples from experiments and real life.

M-PSI/05 Social Cognition (6 + 2 Inquisit)*

Topics: Cognitive processes that intervene when we think about the social world (e.g., social attention, impression formation, attribution processes and inference, social categorization) and the impact of those processes on social interaction.

M-PSI/03 Psychometrics and Quantitative Methods (6+2 R)*

Topics: Methodological issues (e.g., psychological measurement) and statistical methods (e.g., factor analysis, regression, analysis of variance) relevant for correlation and experimental research.

****These four courses have associated 2 CFU (16 hours) of lab activities each that provide basic skills in programming experimental (Matlab, E-Prime, Inquisit) and statistical (R) software.***

Primo anno

M-PSI/04 Cognitive Development (8 CFU)

Topics: Development of children cognitive processes from early infancy to adolescence, across a variety of cognitive domains (e.g., how perception, memory and theory of mind change over time and the neurobiological mechanisms at the basis of developmental changes).

M-PSI/08 Experimental Clinical Psychology (8 CFU)

Topics: Emotional, cognitive, and behavioral processes that influence and shape psychopathological functioning. Focus on laboratory paradigms aimed at investigating such topics and evidence-based interventions aimed at modifying psychopathological functioning.

Laboratory courses (8 CFU): Students will choose **2 laboratory activities** (4 CFU each, 32 hours) that complement the core courses. These activities will give the opportunity to learn a variety of research skills.

- **Research methods in Cognitive Neuroscience:** Overview and basic training in research paradigms in neuroscience, including physiological registration techniques (e.g., EEG, ERP), neuroimaging techniques (fMRI), and brain stimulation techniques (e.g., TMS, tDCS).
- **Measurement methods and ambulatory assessment:** Overview and basic training in main direct measurement tools, such as questionnaires, surveys and interviews. Introduction to ambulatory assessment (e.g., ecological momentary assessment), including technical solutions for research (e.g., diary multiple-time study, smartphone sensory data).
- **Computational modeling:** Overview and basic training in computational models for analysis, simulation, and predictions of cognitive processes and behaviors, with application examples from different domains of experimental psychology (e.g., artificial neural networks, learning and memory, linguistic learning, reasoning and decision-making, social interactions, cognitive development)
- **Cognitive and Behavioral measures:** Overview and basic training in main tools for measures of cognitive processes and behaviors. These include eye-movements (eye-tracker) and reaction-time based paradigms for studying perception, attention, social cognition and attitudes (e.g., priming, Flanker tasks, Stroop effect tasks, Simon effect tasks, approach avoidance tasks, Implicit Association Test, Dot Probe tasks).

Elective course (8 CFU): Students will freely choose 8 CFU from courses offered at Milan-Bicocca University.

Secondo anno

Elective courses (24 CFU): During the second year of the program students will choose **3 courses** (8 CFU each, 56 hours) among an offer that will include a number of specific applications of the core components of psychological sciences.

- **Cognitive Ergonomics**

Topics: Human-computer interaction, usability and user experience design and evaluation. User centered interfaces design.

- **Decision Making**

Topics: Prospect theory, ecological and bounded rationality, fast and frugal heuristics, risk perception and risk communication, nudge theory.

- **Applied Neuroscience**

Topics: Neural processes supporting consumer behavior, design and technologies (including neuro-marketing, product design, web interfaces, human-machine interactions)

- **Applied Cognitive Development**

Topics: Focus on how knowledge about human cognitive development can be applied to promote children cognitive functioning 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, and the effects of technological devices on attention, perception and learning.

- **Applied Social Cognition**

Topics: Overview of domains in which socio-cognitive theories and research have been applied outside the laboratory to influence public policies. This includes psychological and physical health (e.g., promotion and prevention behaviors, food psychology), political issues (e.g., reducing inequalities and improving intergroup relations, promoting participation), sustainability, conservation and other environmental concerns, and television and the mass media (e.g., risk and science communication).

Secondo anno

- **Applied Psycho-Linguistics**

Topics: Focus on what makes the use of language more effective based on recent psycholinguistic findings, including issues such as text intelligibility and readability and analysis of linguistic features of discourse and text complexity with aim of identifying qualitative and quantitative features of linguistic complexity to achieve a successful linguistic communication targeted to different hearer/reader populations.

- **Social Cognitive and Affective Neuroscience**

Topics: Cognitive, neurobiological and functional basis of social and affective-motivational processes. Applications of neuroscience to topics such as gaze and face perception, social attention, attribution of states of minds, economic decisions, aesthetics, arts, and music.

- **Consumer Psychology**

Topics: Motivational, attitudinal, affective and cognitive processes of consumers in their relation with products and brands. Information communication technologies for research and strategies focused on consumers. Applications of consumer psychology to marketing.

- **Games and Economic Behavior**

Topics: Introduction in applied game theory. The objective is to equip students with tools essential to study economics of information and of strategic behavior and for setting up and solving a wide range of economic problems, both micro and macro.

Secondo anno

General transferable research skills lab classes, internship, and dissertation (32 CFU): This part of the program will be devoted to four interconnected activities.

- a) **Transferable research skills laboratory** (4 CFU, 32 hours): Transferable research skills that can be widely applied both at the research and at the professional/consultation level. These include research and intervention planning (e.g., plan and write a research project), grant application, project evaluation, and so on.
- b) **Evaluation of psychological interventions laboratory** (4 CFU, 32 hours): A laboratory dedicated to the evaluation of psychological interventions (e.g., cost-effectiveness and cost-benefits analysis).
- c) **Internship** (8 CFU, 200 hours): Students will choose between an academic research internship, also abroad, or a professional research internship.
- d) **Dissertation** (16 CFU): Merging the general research skills acquired attending lab classes and the professional/research activities conducted during the internship, students will conclude their program with the preparation of a research- or a professional-oriented dissertation. The dissertation will be linked to the internship, hence the overall CFU can be considered as 24. Possible pre-requisites for the dissertation can include certified participation to experimental studies and certified knowledge in bibliographic research (e.g., online courses offered by the University Library).

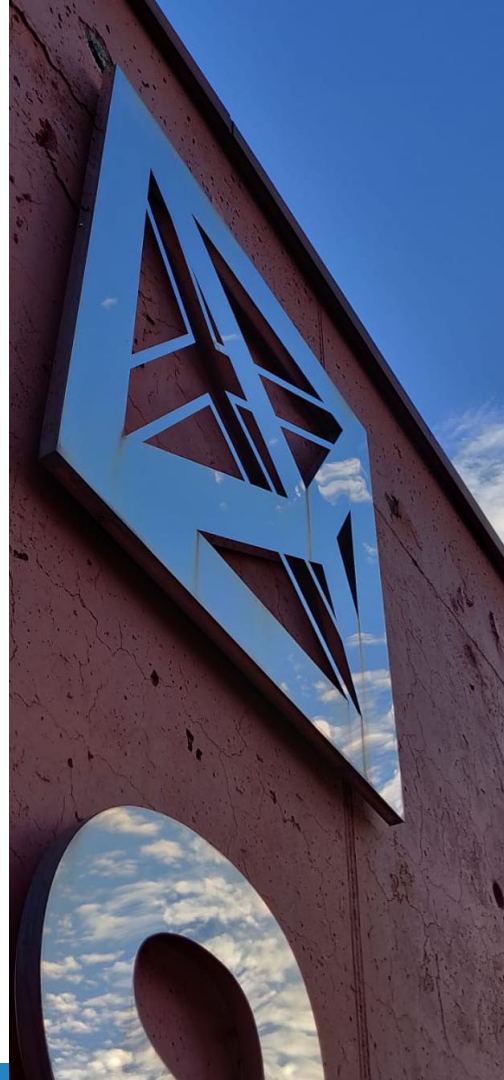
Corsi e laboratori - scelta libera e orientata

1° anno	semestre
Cognitive Neuroscience	1
Cognitive Psychology	1
Experimental Clinical Psychology	1
Social Cognition	1
Cognitive development	2
Psychometrics and Quantitative Methods	2
<i>Cognitive and Behavioral Measures</i>	2
<i>Computational modeling</i>	2
<i>Measurement methods and ambulatory assessment</i>	2
<i>Research Methods in Cognitive Neuroscience</i>	2

2° anno	semestre
Applied Neuroscience	1
Applied Psycholinguistics	1
Applied Social Cognition to Public Policies	1
Cognitive Ergonomics	1
Decision Making	1
Games and Strategic Behaviour	1
<i>Evaluation of Psychological Interventions Laboratory</i>	1
<i>Transferable Research Skills Laboratory</i>	1
Applied Cognitive Development	2
Consumer Psychology	2
Social Cognitive and Affective Neurosciences	2
Elements of Human-Technology Interaction	2

Perché

- **Unico** nel suo genere in Italia e d'avanguardia in Europa
- Occupabilità nel privato e pubblico
- Target: fino a 60 studenti nazionali ed internazionali
- Trend recente internazionale



Perchè ho scelto AEPS (studentessa 1° anno AEPS)

- ▷ **Interdisciplinarietà**
- ▷ **Applicazione** delle conoscenze tramite **attività pratiche**
- ▷ Utilizzo, conoscenza e analisi dei **papers**
- ▷ **Software** e competenze digitali
- ▷ Utilità della lingua **inglese**
- ▷ Grande spazio lasciato all'**interazione con i docenti**

Profili occupazionali

Esperto nell'applicazione di principi psicologici

Psicologo per la consulenza strategica in ambito pubblico e privato

- Istituzioni pubbliche, agenzie (es. fondazioni) che promuovono sviluppo sociale, enti del terzo settore sia nazionali che internazionali, attività libero-professionale.
- Aziende private, studi di consulenza, attività libero-professionale, agenzie di comunicazione, istituti di ricerca di mercato

Psicologo ricercatore nel settore pubblico e privato

Ambito accademico e non-accademico sia nazionale che internazionale; ambito organizzativo, sanitario, sociale e della comunicazione.

Profili occupazionali

RICERCA PUBBLICA

Ricerca e intervento in ambito pubblico



RICERCA IN AZIENDA

Progettazione di disegni di ricerca per analisi di mercato

CLINICA E ASSOCIAZIONI

Neuropsicologia/Psicoterapia
Sostegno di minori
Associazioni volte al sociale

CONSULENZA AZIENDALE

Consulenze in ambito aziendale
volte a modificare il
comportamento in loco

TESTIMONIANZE

Analisi di mercato

«Il cliente (che nel mio caso è un'azienda farmaceutica) vuole esplorare empiricamente qualche aspetto del proprio prodotto, ad esempio la comunicazione, il ricordo nei medici, l'intenzione di prescrizione, quando mettere un prodotto sul mercato. Noi ci occupiamo di tradurre ciò che vuole in un disegno di ricerca.»

Ricerca pubblica

“Dopo essermi specializzato in sessuologia con progetti di tesi e tirocinio, mi è stato offerto un dottorato in medicina per creare una applicazione per l'uso della PrEP per il self-management sanitario.”

Neuropsicologia

«Sono nel reparto ospedaliero di neuropsicologia e neuropsichiatria infantile, vedo pazienti e mi occupo principalmente di diagnostica e riabilitazione. Mi occupo anche della stesura dei progetti di intervento.»

TESTIMONIANZE

Psicologia dello Sport

«Sto facendo il tirocinio professionalizzante presso una struttura privata di Milano che si occupa di psicologia dello sport, benessere e corporate. Nell'area dello sport lavoriamo con atleti agonisti in diversi circoli sportivi che tramite consulenze one to one con i ragazzi hanno lo scopo di allenare le mental skills di base. Nell'ambito corporate progettiamo e assistiamo, anche facendo proprio corsi di formazione a diversi enti.»

Associazione - sociale

«Sto finendo il primo semestre di tirocinio post lauream sotto ALA Milano, lavoro sia allo Sportello Trans (dove si accoglie l'utenza che vuole cominciare un percorso di transizione di genere e si indirizza verso uno dei membri dell'equipe multidisciplinare con cui siamo connessi) che sull'unità di strada che si occupa di contattare, tutelare e offrire supporto e accompagnamenti alle prostitute transgender sul territorio di Milano/Monza.»

Psicoterapia

«Ho fatto tirocinio in una comunità di tossicodipendenti e tramite il tirocinio post lauream, che ho trovato sempre in ambito clinico, ho intenzione di abilitarmi per poi iscrivermi alla scuola di psicoterapia.»

What students think of AEPS

- “All master degrees should be like this.”
- “I appreciate the strong connection between theory and applied research.”
- “AEPS is a course that opens doors in directions you wouldn't even imagine.”
- “Practical, useful, mind-shaping and mind-opening.”
- “AEPS is the best you can get in terms of practical skills and research knowledge in the Italian context right now.”

Come e Quando

Informazioni:

<https://en.unimib.it/international/international-programmes/applied-experimental-psychological-sciences-aeps>

<https://psicologia.unimib.it/it/didattica/corsi-laurea-magistrale/applied-experimental-psychological-sciences-f5105p>

Uscito bando iscrizione (scadenza 30 aprile):

<https://www.unimib.it/ugov/degree/6379>



Come e Quando

Applications are now open until April 30!

Requisiti:

- Inglese livello B2 (1 punto in più per livelli > B2)
- Aver conseguito 88 CFU (o equivalenti per gli studenti stranieri) in almeno 6 settori scientifico-disciplinari della Psicologia o una laurea triennale classe L24 già acquisita o da acquisire entro il 31 ottobre 2021 (o equivalente per gli studenti stranieri).

Titoli valutati: CV, lettera motivazionale, lettere di referenze (opzionali, max 2)

60 posti disponibili:

- 15 posti riservati a studenti Extra-UE
- 45 posti riservati a studenti UE (italiani inclusi)

La graduatoria verrà pubblicata entro il 24 maggio
Immatricolazione dal 25 giugno al 9 luglio