UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Diagnostic Reasoning

2324-2-F5104P017-F5104P018M

Learning area

METHODS AND TECHNIQUES FOR TREATMENT AND REHABILITATION

Learning objectives

Knowledge and understanding

· Acquisition of theoretical knowledge of communication and personal relationships in healthcare

· Understanding of the psychological, social and cultural variables involved in communication and interaction in healthcare

Applying knowledge and understanding

· Understanding of, and intervention on, communication and relational problems in healthcare settings

· Mastering of some psycho-educational techniques aimed at improving the quality of relationships and communication in healthcare.

· Ability to apply different intervention techniques necessary to improve the quality of relationships and communication healthcare

Contents

Elements of decision analysis and problem solving, logical and bayesian bases of diagnostic reasoning, categorization and main cognitive biases that affect diagnostic reasoning and the role of communication (Grice's theory of Implicature).

Detailed program

• Probabilistic reasoning (Bayesian reasoning)
• Categorisation
• Problem solving
• Cognitive biases in decision-making and diagnostic reasoning
• Decision making
• Communication

Prerequisites

• Good numeracy skills, good comprehension skills of written english;
• Basic knowledge of probability calculus.

Teaching methods

• Lectures in the classroom, group exercises, in class and at home, on the topics covered by the course.

Assessment methods

Evaluation of the exposure of group work and oral test.

Textbooks and Reading Materials

Detailed information about the course material will be published on the e-learning page associated with the course.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING