

Course announcement
“Bioengineering in Human-Machine Interaction”
Prof. Arcangelo Merla



Hours 8 - cfu
Classes will be in English
Compulsory attendance

Final essay based on a set of questions provided on the first day. Final essay is compulsory to obtain **cfu 1**.

Bioengineering in Human-Machine Interaction

The purpose of the course is to introduce students to the state of the art and research trends in the field of human-machine interaction, with particular reference to the aspects of bioengineering and ergonomics.

In particular, the techniques adopted to promote the interaction between human and machine will be studied and analyzed, such as mechanical and functional ergonomics, affective computing, functional cooperation between man and machine. Cases of use in assistive, surgical and industrial robotics will also be presented. The course is also open to students without specific basic training.

OBJECTIVES of the course is to let the students to familiarize with the discipline and to stimulate ideas for potential applications and use cases.

✉ **Register by** sending email to:

tea.taraborelli@unich.it & arcangelo.merla@unich.it (in cc)

PhD students at the University of Chieti-Pescara, not enrolled in the Engineering Sciences PhD program, can register for the short course.

TIMETABLE			
MONDAY	19.06.2023	09:00	13:00
TUESDAY	20.06.2023	09:00	13:00
WEDNESDAY			
THURSDAY			
FRIDAY			