

MEDIZINISCHE FAKULTÄT DER UNIVERSITÄT DUISBURG-ESSEN

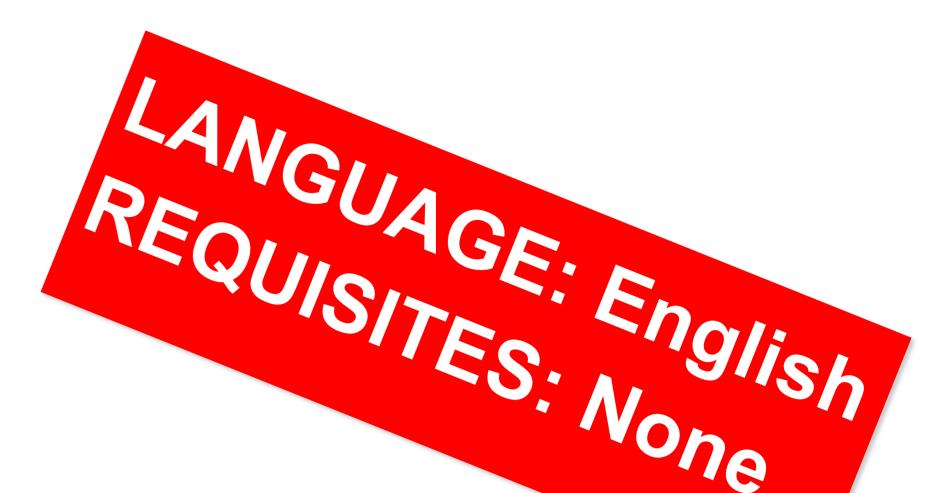


Robotics and programming with Lego!

hands-on course

This course is an enticing introduction to robotics and

structured programming using LEGO Mindstorms EV3.



Robots are becoming increasingly present in the every day life

of clinicians. In this innovative course students will learn to

design, build and program a robot. EV3 is a robotics system

that consists of a tiny computer embedded in a LEGO brick

with input ports connected to sensors, and output ports

connected to motors. The brick is programmed using a

structured programming language which is graphically based.

The concepts that will be studied about structured



programming are common to mainstream computer languages

used in scientific research (e.g., C, C++, Fortran, Python).

Students are not required any previous knowledge on

programming, computer science or robotics.

LECTURERS

Priv.-Doz. Dr. Lorenzo Brualla (lorenzo.brualla@uni-due.de)

Prof. Dr. med. Wolfgang Sauerwein



SCHEDULE

Monday 15.02.16 - Thursday 18.02.16 (09.00 h 15.00 h)

& Friday 19.02.16 (09.00 h - 12.30 h)

Contact & Registration:

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