



UNIwersytet Gdański



IoT Fundamentals Connecting Things					Code: 11.3.1482
ECTS points: 2	Hours: 15	Year: 2021/22	Semester: summer	Status: Elective	Language: English
Lecturer: Bartosz Marcinkowski, PhD, DSc Email: bartosz.marcinkowski@ug.edu.pl					
Course description: From gathering requirements, through designing electronic circuits, to writing source code, the IoT provides the platform for a very diverse professional skillsets. This course enables exploring “things” and their connection to the IoT. Upon the completion, a participant will be able to: <ul style="list-style-type: none">- analyze the things and connections that make up the IoT;- design sensor/actuator systems using the Arduino microcontroller;- create very basic scripts in Python that provide IoT functionality to the Raspberry Pi single-board computer;- understand an end-to-end IoT system;- come up with conceptual IoT solutions for real-world challenges across various industries.					
Reading list: Cisco Networking Academy (2021); IoT Fundamentals: Connecting Things online content					
Grading: The final grades are based on the score according the University terms of study: 50% or less - 2,0 (fail) >50% - 3,0 (pass) >60% - 3,5 (pass +) >70% - 4,0 (good) >80% - 4,5 (good+) >90% - 5,0 (very good)					
Prerequisites: There are no pre-requisites for this course					