

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					
<p align="center">Course description:</p> <p>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:</p> <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. 					
<p align="center">Reading list:</p> <p>Cisco Networking Academy (2021); IoT Fundamentals: Connecting Things online content</p>					
<p align="center">Grading:</p> <p>The final grades are based on the score according the University terms of study:</p> <p>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)</p>					
<p align="center">Prerequisites:</p> <p>There are no pre-requisites for this course</p>					