

SCHEDULE OF LABORATORY CLASSES FOR TECHNICAL PHYSICS

Field of study: DATA ENGINEERING

Team number	Order of experiments				
	1	2	3	4	5
1	Introduction	M1	M11	E3	E13
2		M3	M13	E5	E3
3		M9	M1	E10	E11
4		M11	C1a	E12	E10
5		M13	M9	E13	E12
6		C1a	M3	E11	E5

- The instructions to experiments M9, M11, M13, E12, E13 can be found in Zubek M, Experiments in physics. First laboratory for students, GUT Publishing House, 2009: <https://ftims.pg.edu.pl/wydzial/laboratoria-wydzialowe/experiments-physics-first-laboratory-students>
- The instructions to experiments C1a, M1, M3, E3, E5, E10, E11 are available here: <https://enauczanie.pg.edu.pl/moodle/mod/folder/view.php?id=2130716>

C1a	DETERMINATION OF COEFFICIENT OF LINEAR EXPANSION OF A SOLID
E3	MEASUREMENT OF ELECTRICAL RESISTANCE USING A WHEATSTONE BRIDGE
E5	MEASUREMENT OF MAGNETIC FIELD INDUCTION IN AN ELECTROMAGNET GAP
E10	DETERMINING THE CAPACITOR CHARGING CURVE
E11	MEASUREMENT OF THE ELECTROCHEMICAL EQUIVALENT OF COPPER AND THE FARADAY CONSTANT
E12	DETERMINATION OF THE HORIZONTAL COMPONENT OF THE EARTH'S MAGNETIC FIELD
E13	AN INVESTIGATION OF AN ALTERNATING CURRENT CIRCUIT WITH INDUCTANCE, CAPACITANCE AND RESISTANCE

M1	DETERMINATION OF LIQUID DENSITY
M3	LINEAR UNIFORMLY ACCELERATED MOTION
M9	DETERMINATION OF THE MOMENT OF INERTIA OF A SOLID
M11	DETERMINATION OF YOUNG'S MODULUS BY THE RESONANCE METHOD
M13	DETERMINATION OF THE COEFFICIENT OF RIGIDITY OF A WIRE