

I LEVEL REGULAR STUDIES MECHANICS and MACHINE BUILDING

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| | | | | | | | Engineering Graphics: Engineering Drawing (Grafika inż.-zapis konstr.) 1 2 MMM031306 1 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Graphics: Descriptive Geometry (Grafika inż.-geom.wykr.) 1 2 MMM031301 1 2 | | | | | | | Statistics for Engineers (Statystyka inżynierska) 1 1 MMM031307 1 1 | | | | | | | Engineering Graphics 3D (Grafika inżynierska 3D) 2 MMM031314 2 | | | | | | | Vehicle Engineering (Budowa pojazdów samochodowych) 4 MMM031351 2 | | | | | | | Offroad Vehicles Engineering E (Inżynieria pojazdów przemysłowych) 2 2 1 MMM031353 2 2 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materials Chemistry (Chemia materiałów) 2 MMM031302 2 | | | | | | | Thermodynamics (Termodynamika techniczna) 2 2 MMM031308 2 1 | | | | | | | Fluid Mechanics (Mechanika płynów) 2 2 MMM031315 2 1 | | | | | | | Fundamentals of Machine Design I E (Podstawy konstrukcji maszyn I) 3 2 2 MMM031322 2 1 2 | | | | | | | Tribology (Podstawy tribologii) 2 2 MMM031352 1 1 | | | | | | | Hydraulic Drive Systems E (Naped hydrauliczny) 2 2 1 MMM031354 2 2 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Information Technologies (Technologie informacyjne) 2 MMM031303 2 | | | | | | | Materials Science I E (Materiałoznawstwo I) 2 2 MMM031309 2 1 | | | | | | | Intellectual Property Law (Ochrona własności intelektualnej) 1 MMM031316 1 | | | | | | | Theory of Mechanisms and Manipulators E (Teoria mech. i manip.) 2 3 MMM031323 2 2 | | | | | | | Hydraulic, Hydrotronic and Pneumatic Systems (Hydros. kl.nap.) 1 1 MMM031329 1 1 | | | | | | | Internal Combustion Engines (Silniki spalnowe) 1 1 MMM031355 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Essential of Management (Podstawy zarządzania) 1 MMM031304 1 | | | | | | | Mechanics I E (Mechanika I) 3 2 MMM031310 2 2 | | | | | | | Materials Science II E (Materiałoznawstwo II) 3 2 MMM031317 2 1 | | | | | | | Metrology (Metrologia wielkości geometrycznych) 2 2 MMM031333 2 2 | | | | | | | Finite Elements Method (Metoda elementów skończonych) 1 1 MMM031330 1 2 | | | | | | | Polymers in Engineering (Tworzywa sztuczne konstrukcyjne) 2 MMM031356 2 | | | | | | | Vehicles Loading Modelling (Modelowanie obciążeń pojaz. samoch.) 2 3 MMM031358 1 2 | | | | | | | | | | | | | | | | | | | | |
| Engineering Materials Technology (Technol.materiałów inż.) 1 1 MMM031305 1 1 | | | | | | | Ordinary Differential Equations (Równania różniczkowe zwyczajne) 1 2 MMM031311 1 1 | | | | | | | Mechanics II E (Mechanika II) 3 2 MMM031318 2 2 | | | | | | | Chipless Processes -Plastic Forming (Techn.wytw.-przerob.plast.) 2 1 MMM031325 2 1 | | | | | | | Fundamentals of Machine Design II E (Podstawy konstrukcji maszyn II) 2 2 MMM031331 2 2 | | | | | | | Carrying Structures (Ustroje nośne) 1 2 MMM031357 1 2 | | | | | | | Engineering in Medicine (Biomechanika inżynierska) 3 MMM031359 2 | | | | | | | | | | | | | | | | | | | | |
| Elementary Linear Algebra E (Algebra z geometrią analityczną) 2 2 MAP001099 2 1 | | | | | | | Ecology and Environment (Ekologia w produkcji przemysłowej) 2 MMM031312 2 | | | | | | | Ergonomy and Safety (Ergonomia i BHP) 1 MMM031319 1 | | | | | | | Chipless Processes -Welding Metallurgy (Techniki wytw.-spaw.) 2 1 MMM031326 2 1 | | | | | | | Drive Systems (Układy napędowe pojazdów) 2 1 MMM031332 1 1 | | | | | | | Production System Organisation E (Podstawy organizacji produkcji) 2 MMM031335 2 | | | | | | | Fundamentals of Exploitation and Repair (Podst.eksploat. i remon. masz.) 2 1 MMM03143 2 1 | | | | | | | | | | | | | | | | | | | | |
| Mathematical Analysis E (Analiza matematyczna) 5 3 MAP001100 3 2 | | | | | | | Programming in MATLAB (Informatyka podst.program. Matlab) 2 MMM031313 2 | | | | | | | Chipless Processes -Casting (Techniki wytwarzania - odlewnictwo) 2 1 MMM031320 2 1 | | | | | | | Polymers I (Tworzywa sztuczne) 1 1 MMM031327 2 1 | | | | | | | Fundamentals of Automatic Control E (Podstawy automatyki) 2 2 MMM031324 2 2 | | | | | | | Manufacturing Systems CNC (Maszyny technologiczne CNC i roboty) 2 1 1 MMM031336 2 1 1 | | | | | | | Management in production (Zarządzanie w produkcji) 3 MMM031340 2 | | | | | | | | | | | | | | | | | | | | |
| Physics E (Fizyka) 3 2 1 FZP001070 2 1 1 | | | | | | | Electrical Engineering (Elektrotechnika) 2 2 MMR031301 2 1 | | | | | | | Strength of Materials I E (Wytrzymałość materiałów I) 3 2 MMM031321 2 2 | | | | | | | Strength of Materials II (Wytrzymałość materiałów II) 2 2 MMM031328 2 1 | | | | | | | Manufacturing Processes -Machining E (Tech.wytw.-obr.ubyt.) 2 2 MMM031334 3 2 | | | | | | | Thesis, Proseminar (Proseminarium dyplomowe) 1 MMM03137 1 | | | | | | | Thesis, Seminar (Seminarium dyplomowe) 1 MMM031341 1 | | | | | | | | | | | | | | | | | | | | |
| Introduction to Philosophy (Przedmiot humanistyczny) 2 FLM031301 2 | | | | | | | Sport (Zajęcia sportowe) 1 MMD031301 2 1 | | | | | | | Electronics (Elektronika) 2 2 MMD031301 2 1 | | | | | | | Foreign Language - B level (Język obcy poziom B2) 2 4 | | | | | | | Foreign Language - B level (Język obcy poziom B2) 3 4 | | | | | | | Professional Training (praktyka) 6 MMM0313 6 | | | | | | | Thesis: Final Engineering project (praca dyplomowa) 15 MMM031350 15 | | | | | | | | | | | | | | | | | | | | |
| sem. 1 | | | | | | | sem. 2 | | | | | | | sem. 3 | | | | | | | sem. 4 | | | | | | | sem. 5 | | | | | | | sem. 6 | | | | | | | sem. 7 | | | | | | | | | | | | | | | | | | | | |
| 30 ECTS 19 9 2 0 0 0 | | | | | | | 30 ECTS 14 4 6 5 0 1 | | | | | | | 30 ECTS 17 6 5 2 0 0 | | | | | | | 30 ECTS 14 2 9 5 0 0 | | | | | | | 30 ECTS 16 3 8 3 0 0 | | | | | | | 30 ECTS 12 0 6 5 1 6 | | | | | | | 30 ECTS 10 0 1 3 1 15 | | | | | | | | | | | | | | | | | | | | |
| 24 l.godz. 16 6 2 0 0 0 | | | | | | | 26 l.godz. 13 3 3 5 0 2 | | | | | | | 24 l.godz. 14 5 3 2 0 0 | | | | | | | 29 l.godz. 14 4 7 4 0 0 | | | | | | | 28 l.godz. 13 4 7 4 0 0 | | | | | | | 24 l.godz. 12 0 6 5 1 0 | | | | | | | 13 l.godz. 7 0 1 2 1 2 | | | | | | | | | | | | | | | | | | | | |
| razem | | | | | | | ECTS 210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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RW 29.05.2013 r.

zmiany wprowadzone do standardu zatwierdzonego na RW 30.05.2012 r.

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| sem.4 | MMM031033 | zmiana semestru | z 5 na 4 |
| sem.5 | MMM031024 | zmiana semestru | z 4 na 5 |
| sem.6 | MMM031105W | zmiana punktów | z 2 na 1 |
| | MMM031036 | modyfikacja nazwy, dodanie lab. | dotatkowo 1L |
| sem.7 | MMM031039 | zmiana wymiaru | z 2L na 1L |