

studia: II stopnia STACJONARNE
kierunek: Elektroniczne systemy mechatroniki - ESM od 2022/2023

| semestr 1 | | | | | | | | | | | | | semestr 2 | | | | | | | | | | | | | semestr 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Cyfrowe interfejsy komunikacyjne - blok wybieralny | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ESM-SM00102BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Przetwarzanie sygnałów - blok wybieralny | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ESM-SM00101BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Systemy elektroniczne w mechatronice | | | | | | | | | | | | | Wirtualna aparatura kontrolna i sterująca - blok wybieralny | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W12ESM-SM0001 | | | | | | | | | | | | | ESM-SM00202BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Konstrukcja aparatury elektronicznej | | | | | | | | | | | | | Układy cyfrowe i mikroprocesorowe - blok wybieralny | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W12ESM-SM0002 | | | | | | | | | | | | | ESM-SM00201BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Modelowanie 2D/3D | | | | | | | | | | | | | Laboratorium otwarte projekt zespołowy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W12ESM-SM0003 | | | | | | | | | | | | | W12ESM-SM0012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Programowanie graficzne w mechatronice | | | | | | | | | | | | | Programowanie systemów wbudowanych w mechatronice | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W12ESM-SM0004 | | | | | | | | | | | | | W12ESM-SM0013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Informatyka kwantowa | | | | | | | | | | | | | Techniki druku 3D | | | | | | | | | | | | | Metody modelowania numerycznego - blok wybieralny | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W12ESM-SM0005 | | | | | | | | | | | | | W12ESM-SM0014 | | | | | | | | | | | | | ESM-SM00301BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Technika światłowodowa | | | | | | | | | | | | | Niezawodność w mechatronice | | | | | | | | | | | | | Systemy bezbaterijne i bezprzewodowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W12ESM-SM0006 | | | | | | | | | | | | | W12ESM-SM0015 | | | | | | | | | | | | | W12ESM-SM0022 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Mikromechanizmy i mikronapędy | | | | | | | | | | | | | Czujniki chemiczne i światłowodowe | | | | | | | | | | | | | Systemy sterowania aparatury technologicznej i pomiarowej | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 2 | | | | | | | | | | | | | 1 3 | | | | | | | | | | | | | 1 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W12ESM-SM0007 | | | | | | | | | | | | | W12ESM-SM0016 | | | | | | | | | | | | | W12ESM-SM0023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Statystyka i rachunek prawdopodobieństwa | | | | | | | | | | | | | MOEMSy | | | | | | | | | | | | | Seminarium dyplomowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W13ESM-SM1454 | | | | | | | | | | | | | W12ESM-SM0017 | | | | | | | | | | | | | W12ESM-SM0027 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Fizyka | | | | | | | | | | | | | Komunikacja społeczna | | | | | | | | | | | | | Praca dyplomowa magisterska | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W11W12-SM4901 | | | | | | | | | | | | | W08ESM-SM0001 | | | | | | | | | | | | | W12ESM-SM0028 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Język obcy I | | | | | | | | | | | | | Język obcy II | | | | | | | | | | | | | Zarządzanie małą firmą | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W10ESM-SM0026 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| semestr 1 | | | | | | | | | | | | | semestr 2 | | | | | | | | | | | | | semestr 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 ECTS | | | | | | | | | | | | | 30 ECTS | | | | | | | | | | | | | 30 ECTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| W C L P S BK | | | | | | | | | | | | | W C L P S BK | | | | | | | | | | | | | W C L P S BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Legenda

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|---------------------------------------------------|
| przedmioty kształcenia podstawowego/ogólnego |
| przedmioty kierunkowe |
| bloki przedmiotów wybieralnych |
| przedmioty kształcenia wybieralne/specjalnościowe |
| języki obce i zajęcia sportowe |

| semestr 1 | semestr 1 |
|----------------------------------------------|----------------------------------|
| Blok wybieralny | Blok wybieralny |
| Przetwarzanie sygnałów | Cyfrowe interfejsy komunikacyjne |
| Projektowanie układów przetwarzania sygnałów | Cyfrowa wymiana danych |
| W12ESM-SM0008 | W12ESM-SM0010 |
| 2 2 | 1 2 |
| 1 0 2 0 0 0 | 1 0 0 2 0 0 |
| Elementy układów przetwarzania sygnałów | Interfejsy cyfrowe |
| W12ESM-SM0009 | W12ESM-SM0011 |
| 2 2 | 1 2 |
| 1 0 2 0 0 0 | 1 0 0 2 0 0 |

| semestr 2 | semestr 2 |
|-----------------------------------|--------------------------------------------------|
| Blok wybieralny | Blok wybieralny |
| Układy cyfrowe i mikroprocesorowe | Wirtualna aparatura kontrolna i sterująca |
| Programowalne układy logiczne | Programowanie wirtualnych przyrządów pomiarowych |
| W12ESM-SM0018 | W12ESM-SM0020 |
| 1 2 | 1 2 |
| 1 0 2 0 0 0 | 1 0 2 0 0 0 |
| Programowanie mikrokontrolerów | Wirtualne przyrządy pomiarowe |
| W12ESM-SM0019 | W12ESM-SM0021 |
| 1 2 | 1 2 |
| 1 0 2 0 0 0 | 1 0 2 0 0 0 |

| semestr 3 |
|---------------------------------|
| Blok wybieralny |
| Metody modelowania numerycznego |
| Modelowanie mikrosystemów |
| W12ESM-SM0024 |
| 1 2 |
| 1 0 2 0 0 0 |
| Modelowanie nanosystemów |
| W12ESM-SM0025 |
| 1 2 |
| 1 0 2 0 0 0 |