

**INFORMATYKA (STUDIA II STOPNIA) SYSTEM STACJONARNY rok ak. 2020/2021, profil kształcenia:  
praktyczny**

| L.P.                                       | PRZEDMIOT   | FORMA ZALICZENIA |   | ROK I    |   |   |            |   |      |        |   |   |            |   | ROK II |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
|--|---|------------------|---|----------|---|---|------------|---|------|--------|---|---|------------|---|--------|---------|---|---|------------|---|------|--|--|--|---|---|--|--|--|---|--|--|--|--|---|----|--|
|  |   | W                | Ć | sem I    |   |   |            |   | ECTS | sem II |   |   |            |   | ECTS   | sem III |   |   |            |   | ECTS |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
|  |   |                  |   | W        | Ć | L | E-learning | P |      | W      | Ć | L | E-learning | P |        | W       | Ć | L | E-learning | P |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| <b>PRZEDMIOTY PODSTAWOWE I KIERUNKOWE:</b> |   |                  |   | <b>0</b> |   |   |            |   |      |        |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 1  | JĘZYK OBCY  |                  | E |          |   |   |            |   |      |        |   | x |            |   |        | x       | 6 |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 2  | SERWEROWE SYSTEMY OPERACYJNE I ICH ADMINISTRACJA  | E                | Z | x        |   | x |            |   | x    | 8      |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 3  | NETWORK VIRTUALISATION  | E                | Z |          |   |   |            |   |      |        |   | x |            | x |        |         | x | 6 |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 4  | JĘZYKI OBIEKTOWE I (PYTHON)   |                  | Z |          |   | x |            |   | x    | 4      |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 5  | JĘZYKI OBIEKTOWE II (JAVA)  |                  | Z |          |   |   |            |   |      |        |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   | x |  |  |  | x |  |  |  |  | 4 |    |  |
| 6  | GEOMETRIA OBLICZENIOWA  | E                | Z | x        | x |   |            |   |      | 7      |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 7  | BEZPIECZEŃSTWO DANYCH W SYSTEMACH ROZPROSZONYCH   | E                | Z |          |   |   |            |   |      |        |   | x |            | x |        |         | x | 4 |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 8  | SYSTEMY URZĄDZEŃ MOBILNYCH  |                  | Z |          |   | x |            |   | x    | 4      |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 9  | MODELOWANIE I SYMULACJE KOMPUTEROWE   | E                | Z |          |   |   |            |   |      |        |   |   |            |   |        |         |   | x |            |   |      |  |  |  | x |   |  |  |  | x |  |  |  |  | 5 |    |  |
| 10   | PRZEDSIĘBIORCZOŚĆ W DZIEDZINIE IT   | E                | Z | x        | x |   |            |   | x    | 6      |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 11   | ĆWICZENIA DO WYBORU   |                  | Z |          |   | x |            |   |      | 1      |   |   | x          |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 12   | WYKŁAD DO WYBORU  | E                |   | x        |   |   |            |   |      | 2      |   | x |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 13   | BHP   | Z                |   |          |   |   |            |   | x    | 0      |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| <b>PRZEDMIOTY SPECJALNOŚCIOWE:</b>         |   |                  |   | <b>0</b> |   |   |            |   |      |        |   |   |            |   |        |         |   |   |            |   |      |  |  |  |   |   |  |  |  |   |  |  |  |  |   |    |  |
| 1  | PRZEDMIOTY SPECJALNOŚCIOWE OBOWIĄZKOWE (godziny w semestrze w zależności od specjalności) | E                | Z |          |   |   |            |   |      |        |   | x |            | x |        |         | x | 7 | x          |   |      |  |  |  | x |   |  |  |  |   |  |  |  |  |   | 13 |  |

|                   |                      |            |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |
|-------------------|----------------------|------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|-----------|
| 2                 | PRAKTYKA ZAWODOWA    | Z          |          |          |          |          |           |          | x        |          |          |          | 8         |          | x        |          |          |          | 8         |
| 3                 | SEMINARIUM DYPLOMOWE | Z          |          | x        |          |          |           | 1        |          | x        |          |          | 5         |          | x        |          |          |          | 10        |
| <b>OGÓŁEM</b>     |                      | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>33</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>39</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>40</b> |
|                   |                      |            | <b>0</b> |          |          |          |           | <b>0</b> |          |          |          |          |           | <b>0</b> |          |          |          |          |           |
| <b>ECTS</b>       |                      | <b>112</b> |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |
| <b>W</b>          |                      | <b>0</b>   |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |
| <b>Ć</b>          |                      | <b>0</b>   |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |
| <b>L</b>          |                      | <b>0</b>   |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |
| <b>P</b>          |                      | <b>0</b>   |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |
| <b>E-LEARNING</b> |                      | <b>0</b>   |          |          |          |          |           |          |          |          |          |          |           |          |          |          |          |          |           |

**wyklady**  
**ćwiczenia**  
**laboratoria**  
**projekty**